170056

03
1/24/01

ENVIRON

January 22, 2001

Mr. Michael McAteer
USEPA, HSRW-6J
77 West Jackson Blvd.
Chicago, IL 60604-3590

Re: Fourth Quarter 2000 Surface and Subsurface Water Monitoring Report
ECC Superfund Site
Zionsville, Indiana

Dear Mr. McAteer:

This report summarizes the monitoring of the till wells, the sand/gravel wells, and the surface water of the Unnamed Ditch at the ECC Superfund Site in Zionsville, Indiana during the fourth quarter of 2000.

The specific tasks completed during the fourth quarter of 2000 included:

- The installation of till monitoring well T-2A on October 24, 2000, as a replacement for till monitoring well T-2;
- Collection of water level measurements from 16 monitoring wells on December 5, 2000;
- Sampling of the 6 off-site till monitoring wells and the 5 off-site sand/gravel monitoring wells, including ECC MW-13, during the week of December 5, 2000;
- Sampling of the 4 on-site till monitoring wells completed on November 18 and 19, 2000 and during the week of December 5, 2000;
- Sampling of 2 surface water locations within Unnamed Ditch during the week of December 5, 2000;
- Analysis of all the surface and subsurface water samples collected for parameters specified in the Revised Remedial Action, Exhibit A, Revision 2, dated May 7, 1997 (Revised Exhibit A);

The following section provides a brief description of the fourth quarter sampling activities. The fourth quarter water level measurements, analytical results for the surface and subsurface water samples, and the field measurements and purge data are summarized in the attached tables.

650 Dundee Road, Suite 150 • Northbrook, Illinois 60062 • USA • Tel: (847) 753-9900 • Fax: (847) 753-9420 • www.environc

A. T-2A Well Installation

As was proposed in our October 29, 1999 letter, till monitoring well T-2A was installed to replace till monitoring well T-2. Monitoring well T-2 was converted to a vapor extraction well in 2000 after free product was discovered in this well during the Second Quarter 1999 sampling event. The T-2A monitoring well was installed on October 24, 2000 according to the specifications listed in Revised Exhibit A. The T-2A monitoring well was installed 50 feet east of T-2 and was screened at the same elevation as T-2. The well log for monitoring well T-2A has been included in Appendix A.

B. Subsurface Water Flow Determination

1. Data Collection

On December 5, 2000, the depth to water was measured in three of the four on-site till monitoring wells, six off-site till monitoring wells, one off-site piezometer, and five off-site sand/gravel monitoring wells using an electronic water level meter. Due to low water levels in monitoring well T-2A and the installation of a dedicated bladder-pump in T-2A, a depth to water measurement could not be collected from this well. The depth to water measurement, for on-site till monitoring well T-2A, presented in this report, was collected on November 18, 2000, prior to the installation of the bladder pump.

The till and sand/gravel monitoring well locations are shown on Figure 1. Measurements were recorded to the nearest 0.01 foot. The depth to water measurements and the corresponding water elevation data derived from these measurements are presented in Table 1.

2. Subsurface Water Elevation Data

Subsurface water elevations and contours for the sand/gravel unit at the site, for the fourth quarter 2000, are presented in Figure 2.

C. On-Site and Off-Site Subsurface Water Sampling

Subsurface water samples are to be collected from the four on-site till monitoring wells on a semi-annual basis. These samples are collected during the second and fourth quarterly sampling events. During this current sampling event, all of the on-site till monitoring wells were sampled. The on-site subsurface water sample results are summarized in Table 2.

Subsurface water samples (including duplicates) were collected from the on-site till monitoring wells T-1 and T-4A, off-site monitoring wells T-5 through T-10, S-1 through S-4A, and ECC MW13 on December 5 through 7, 2000. Subsurface water samples were collected from the on-site till monitoring wells T-2 and T-3 on November 18 and 19, 2000. Due to scheduling difficulties, all the subsurface water samples could not be

collected during the same week. The subsurface water sample results for these wells are summarized in Table 3 and Table 4, respectively.
All samples were collected as described in Section 6.3 of the Radian Revised Remedial Action Field Sampling Plan (FSP), Revision 4, dated April 28, 1998 with modifications outlined in the Low Flow Ground Water Sampling proposal dated November 10, 2000. In accordance with the FSP, the wells were purged a minimum of three well volumes or until the wells went dry, prior to sampling. Low flow sampling techniques were incorporated into the sampling procedure to decrease the turbidity of the samples collected and reduce the number of wells purged dry before three well volumes could be removed. The subsurface water in the on-site till monitoring wells was evacuated and sampled using dedicated PVC bladder-pumps and Teflon-lined polyethylene tubing. The subsurface water in the off-site monitoring wells was evacuated and sampled using a peristaltic pump and dedicated Teflon-lined polyethylene tubing. The intake for the dedicated tubing was placed at the bottom of the screened interval. Due to the poor recovery in till monitoring wells (T-5 and T-8), the samples from these wells were collected over a period of 1 to 4 days. Volatile organic compounds (VOCs) and hexavalent chromium samples were collected as soon as possible on the day of purging the wells.

The metals and polychlorinated biphenyls (PCBs) samples were filtered using 0.45-micron filters in accordance with Section 6.3 of the FSP. Field measurements of pH, temperature, specific conductivity, and dissolved oxygen were collected before, during, and after the purging procedure. Field indicator parameters and other information recorded during well purging and sampling are provided in Tables B-1 through B-3 of Appendix B.

D. Surface Water Sampling

Surface water samples were collected from two locations within Unnamed Ditch (SW-1 and SW-2) during the Fourth Quarter sampling event. Samples were not collected from the NSL-1 location since water was not flowing from the North Side Landfill discharge to the Unnamed Ditch during the sampling event. Samples were collected as described in Section 6.3 of the FSP. Surface water sample locations are shown on Figure 1. The surface water sample results are summarized in Table 5.

Field measurements of pH, temperature, specific conductivity, and dissolved oxygen were collected from a sample of the water taken from each surface water sampling location. Field indicator parameters as well as the rain accumulation measurement recorded for the 24-hour and 48-hour period prior to sampling are provided in Table B-4 of Appendix B.

E. Sample Analysis and Results

Following sample collection, the samples were placed in ice-filled coolers and shipped via an overnight courier to CompuChem Laboratories (CompuChem) of Cary, North Carolina, for analysis. Due to scheduling difficulties, the samples collected on November

18 and 19, 2000, were shipped via an overnight courier to Severn Trent Laboratories of Valparaiso, Indiana, for analysis. Appropriate chain-of-custody protocols were followed throughout sample handling.

Subsurface and surface water samples were analyzed for the parameters listed in Table 3-1 of Revised Exhibit A in accordance with the analytical methods summarized in Table 7-1 of the FSP. Analytical results for the surface, subsurface and the quality assurance and quality control samples for this sampling event are summarized in Table 2 through Table 6. In addition, all quarterly monitoring analytical data to date are presented by location in Appendix C.

F. Quality Assurance and Quality Control Procedures

To monitor the effectiveness of sampling procedures, ENVIRON collected field blanks by pumping laboratory supplied deionized water through the peristaltic pump and tubing into a sample container. For the metals and PCB samples, the deionized water was also passed through a 0.45-micron filter. A total of two field blanks were collected and analyzed this quarter. Three trip blanks were submitted to the laboratory to monitor for possible contamination during sample handling, transport, and storage. The trip blanks accompanied the samples and were analyzed for the VOCs listed in Table 3-1 of Revised Exhibit A. The trip and field blank sample results were compared to the most stringent of the Acceptable Stream Concentrations and the Acceptable Subsurface Water Concentrations for each analyte. The trip and field blank sample results are presented in Table 6.

Acetone was detected in one trip blank and both field blank samples at similar concentrations of 4 µg/L, 5 µg/L, and 6 µg/L. All three of these samples were analyzed by CompuChem. Acetone was also detected within CompuChem's laboratories method blank samples. ENVIRON believes that the acetone was introduced into the deionized water prior to being pumped through the sampling equipment or is lab contamination introduced during analysis. During this sampling event the laboratory provided trip blanks and deionized water.

Methylene chloride was detected at low concentrations in the two trip blanks provided by CompuChem. Methylene chloride was not detected in CompuChem's laboratory method blank or the field blank samples. ENVIRON believes that the methylene chloride concentrations detected within the trip blank samples are the result of laboratory contamination.

Low concentrations (below the required detection limit) of 1,2-dichloroethene (total) were reported for one CompuChem trip blank and one CompuChem field blank. Low concentrations of toluene were also reported for one CompuChem trip blank. The toluene concentration was also below the required detection limit.

Bis(2-ehtylhexyl)phthalate was reported in equally low concentrations of 2 µg/L in both CompuChem field blank samples. Low concentrations of bis(2-ehtylhexyl)phthalate (1

µg/L) were also reported from both subsurface water samples collected from the well locations where these field blanks were collected. ENVIRON believes that the bis(2-ehtylhexyl)phthalate concentrations detected within the field blanks and the subsurface water samples are the result of laboratory contamination.

In addition to acetone, 1,2-dichloroethene (total), and bis(2-ehtylhexyl)phthalate, low concentrations (below the required detection limit) of antimony, barium, manganese, nickel, and cyanide were detected in both of the CompuChem field blank samples. These analytes were also detected within CompuChem's laboratory method blank samples and are believed to be the result of laboratory contamination.

To evaluate the reproducibility of results, ENVIRON collected one duplicate subsurface water sample from the off-site sand/gravel monitoring well S-1 and off-site till monitoring well T-9. The duplicate samples were collected by pumping the subsurface water from the monitoring wells into two sets of sample containers. The results of the duplicate samples are presented in Table 4 and Table 3, respectively. The results for the duplicate pairs were similar, indicating good reproducibility of the sampling and analytical methods. In addition to the duplicate samples, ENVIRON collected extra sample volume from the surface water sampling point SW-2 for the laboratory matrix spike and matrix spike duplicate (MS/MSD) samples.

If you have any questions about this letter or any other aspects of the project, please do not hesitate to contact us.

Sincerely,

ENVIRON International Corporation

Mark Hanson/RB

Mark Hanson
Senior Associate

Ronald E. Hutchens, P.E.
Principal

REH:als
P:\CP Files\Client Project Files\ECC\Word Files\Compliance Monitoring\Fourth Qr 2000 DRAFT2.doc

cc: Mr. Myron Waters – IDEM
Mr. Tim Harrison – CH2M Hill
Dr. Roy Ball – ENVIRON International Corporation
Mr. Norman Bernstein – N. W. Bernstein & Associates, L.L.C.

TABLES

TABLES

TABLE 1
Subsurface Water Elevations - December 5, 2000
ECC Compliance Monitoring Wells
Fourth Quarter 2000

Well Number	Rim of PVC Elevation (feet AMSL)	Depth-to-Water (feet)	Water Elevation (feet AMSL)
T-1	897.41	16.60	880.81
T-2A[1]	898.67	25.52	873.15
T-3	896.07	18.50	877.57
T-4A	895.37	15.54	879.83
T-5	889.08	13.85	875.23
T-6	891.76	10.88	880.88
T-7	891.02	10.44	880.58
T-8	888.88	8.91	879.97
T-9	882.08	2.97	879.11
T-10	889.42	9.45	879.97
S-1	890.27	9.25	881.02
S-2	888.46	8.01	880.45
S-3	882.45	2.44	880.01
S-4A	889.59	9.25	880.34
P-1	889.66	9.14	880.52
ECC MW-13	883.30	9.91	873.39

Notes:
AMSL = Above Mean Sea Level.
PVC = Polyvinyl Chloride Inner Well Casing.
[1]Measurement taken on November 18, 2000.

TABLE 2 (Page 1 of 2)
Summary of Analytical Results for Subsurface Water Samples
ECC On-Site Till Monitoring Wells
Fourth Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Subsurface Water Concentration	T-1 ECTGW1-07 PUMP 12/6/00	T-2A ECTGW2-07 PUMP 11/19/00	T-3 ECTGW3-07 PUMP 11/19/00	T-4 ECTGW4-07 PUMP 12/6/00
Volatile Organics					
Acetone	*[3,500]*	ND	3,000	20	ND
1,1-Dichloroethene	*[7]*	ND	800	ND	ND
1,2-Dichloroethene(total)	*[70]*	0.3 J	1,444	9,040	ND
Ethylbenzene	*[680]*	ND	800	7	ND
Methylene Chloride	*[156.6]*	0.8 J	6,100	ND	0.8 J
Methyl ethyl ketone	*[170]*	ND	ND	ND	ND
Methyl isobutyl ketone	*[1,750]*	ND	ND	ND	ND
Tetrachloroethene	*[5.0]*	ND	53,000	130	ND
Toluene	*[2,000]*	ND	8,800	53	ND
1,1,1-Trichloroethane	*[200]*	ND	30,000	52	ND
1,1,2-Trichloroethane	*[5.0]*	ND	77	ND	ND
Trichloroethene	*[6.4]*	0.3 J	50,000	70	ND
Vinyl chloride	*[5.0]*	1	20	300	ND
Xylenes (total)	*[10,000]*	ND	2,900	36	ND
Semi-Volatile Organics					
Bis(2-ethylhexyl)phthalate	*[7.1]*	2 J	ND	ND	2 J
Di-n-butylphthalate	*[3,500]*	ND	ND	ND	ND
1,2-Dichlorobenzene	*[600]*	ND	64.6	ND	ND
Diethyl phthalate	*[28,000]*	ND	ND	ND	ND
Isophrone	*[8.5]*	ND	ND	ND	ND
Naphthalene	*[14,000]*	ND	ND	ND	ND
Phenol	*[1,400]*	ND	ND	ND	ND

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.
[2] = Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
ND = Not Detected.
J = Estimated value.

TABLE 2 (Page 2 of 2)
Summary of Analytical Results for Subsurface Water Samples
ECC On-Site Till Monitoring Wells
Fourth Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Subsurface Water Concentration	T-1 ECTGW1-07 PUMP 12/6/00	T-2A ECTGW2-07 PUMP 11/19/00	T-3 ECTGW3-07 PUMP 11/19/00	T-4 ECTGW4-07 PUMP 12/6/00
Polychlorinated biphenyls					
Aroclor-1016	*[0.5]*	ND	ND	ND	ND
Aroclor-1221	*[1.0]*	ND	ND	ND	ND
Aroclor-1232	*[0.5]*	ND	ND	ND	ND
Aroclor-1242	*[0.5]*	ND	ND	ND	ND
Aroclor-1248	*[0.5]*	ND	ND	ND	ND
Aroclor-1254	*[0.5]*	ND	ND	ND	ND
Aroclor-1260	*[0.5]*	ND	ND	ND	ND
Inorganics					
Antimony	*[46.5]*	2.4 B	ND	ND	2.6 B
Arsenic	*[50]*	ND	ND	ND	ND
Barium	*[1,000]*	344	130	0.28	40.4 B
Beryllium	*[4]*	ND	ND	ND	ND
Cadmium	*[10]*	ND	ND	ND	ND
Chromium VI	*[50]*	ND	ND	ND	ND
Lead	*[50]*	ND	ND	ND	ND
Manganese	*[7,000]*	262	250	240	330
Nickel	*[150]*	1.6 B	ND	50	7.8 B
Silver	*[50]*	ND	ND	ND	ND
Tin	*[21,000]*	ND	ND	ND	ND
Vanadium	*[245]*	ND	ND	ND	ND
Zinc	*[7,000]*	ND	ND	ND	ND
Cyanide	*[154]*	ND	10	15	1.1 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.
[2] = Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs were used in place of the Acceptable Subsurface Water Concentrations for these analytes since the detection limits are above their respective Acceptable Subsurface Water Concentrations.
ND = Not Detected.
B = Analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit.

TABLE 3 (Page 1 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Till Monitoring Wells
Fourth Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	T-5 ECTGW5-07 PUMP 12/5/00	T-6 ECTGW6-07 PUMP 12/5/00	T-7 ECTGW7-07 PUMP 12/5/00	T-8 ECTGW8-07 PUMP 12/5/00	T-9 ECTGW9-07 PUMP 12/6/00	T-9 ECTGW9-07-D PUMP 12/6/00 Duplicate	T-10 ECTGW10-07 PUMP 12/7/00
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	*[9.4]*	ND	**18,000**	**26**	6	**50**	**50 D**	**240 D**
Ethylbenzene	*[3,280]*	ND	240 J	ND	ND	ND	ND	ND
Methylene Chloride	*[15.7]*	ND	ND	ND	ND	ND	2 J	ND
Tetrachloroethene	*[8.85]*	ND	ND	ND	0.2 J	ND	ND	ND
Toluene	*[3,400]*	ND	2,900	4	ND	ND	0.2 J	0.2 J
1,1,1-Trichloroethane	*[5,280]*	ND	ND	ND	ND	ND	ND	8
1,1,2-Trichloroethane	*[41.8]*	ND	ND	ND	ND	2 J	0.2 J	ND
Trichloroethene	*[80.7]*	ND	ND	3 J	0.9 J	ND	ND	1
Vinyl chloride	*[525]*	ND	**10,000**	0.7 J	0.2 J	110	90 D	14

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.
[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
ND = Not Detected.
J = Estimated Value.
D = Compound quantitated on a diluted sample.

TABLE 3 (Page 2 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Till Monitoring Wells
Fourth Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	T-5 ECTGW5-07 PUMP 12/7/00	T-6 ECTGW6-07 PUMP 12/5/00	T-7 ECTGW7-07 PUMP 12/5/00	T-8 ECTGW8-07 PUMP 12/5/00	T-9 ECTGW9-07 PUMP 12/6/00	T-9 ECTGW9-07-D PUMP 12/6/00 Duplicate	T-10 ECTGW10-07 PUMP 12/7/00
Semi-Volatile Organics								
Bis(2-ethylhexyl)phthalate	*[50,000]*	1 J	1 J	ND	ND	ND	ND	1 J
Di-n-butylphthalate	*[154,000]*	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	*[763]*	ND	250 J	ND	ND	ND	ND	ND
Diethylphthalate	*[52,100]*	ND	6 J	ND	ND	ND	ND	ND
Naphthalene	*[620]*	ND	21	ND	ND	ND	ND	ND
Phenol	*[570]*	ND	390 D	23	ND	ND	ND	ND
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	*[1.0]*	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	*[0.5]*	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	*[0.5]*	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	*[0.5]*	ND	1.2 P	ND	ND	ND	ND	ND
Aroclor-1254	*[0.5]*	ND	ND	ND	ND	ND	ND	0.25 J
Aroclor-1260	*[0.5]*	ND	ND	ND	ND	ND	ND	ND

Notes: All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

USEPA Contract Laboratory Program method detection limits for PCBs were used in place of the Acceptable Stream Concentrations since the detection limits are above their respective Acceptable Stream Concentrations.

ND = Not Detected.

J = Estimated value.

D = Compound quantitated on a diluted sample.

P = Indicates a 25% or greater difference for detected concentrations between the two GC columns. The lower of the two values is reported.

TABLE 3 (Page 3 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Till Monitoring Wells
Fourth Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	T-5 ECTGW5-07 PUMP 12/7/00	T-6 ECTGW6-07 PUMP 12/5/00	T-7 ECTGW7-07 PUMP 12/5/00	T-8 ECTGW8-07 PUMP 12/5/00	T-9 ECTGW9-07 PUMP 12/6/00	T-9 ECTGW9-07-D PUMP 12/6/00 Duplicate	T-10 ECTGW10-07 PUMP 12/7/00
Inorganics								
Arsenic	*[14.0]*	3.9 B	**48.8**	ND	ND	ND	ND	ND
Chromium VI	*[86.0]*	ND	ND	ND	ND	ND	ND	ND
Lead	*[26.8]*	ND	ND	ND	ND	ND	ND	ND
Nickel	*[100]*	3.0 B	43.8	4.4 B	3.5 B	16.0 B	15.9B	14.2 B
Zinc	*[152]*	ND	ND	ND	ND	ND	ND	ND
Cyanide	*[23.9]*	1.3 B	1.9 B	1.1 B	1.0 B	0.99 B	0.98 B	1.6 B

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

USEPA Contract Laboratory Program method detection limit for arsenic was used in place of the Acceptable Stream Concentration since the detection limit for arsenic is above its respective Acceptable Stream Concentration.

ND = Not Detected.

B = Analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit.

TABLE 4 (Page 1 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Sand/Gravel Monitoring Wells
Fourth Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	S-1 ECSGW1-07 PUMP 12/5/00	S-1 ECSGW1-07-D PUMP 12/5/00 Duplicate	S-2 ECSGW2-07 PUMP 12/5/00	S-3 ECSGW3-07 PUMP 12/6/00	S-4A ECSGW4-07 PUMP 12/7/00	MW13 ECSGWM13-07 PUMP 12/5/00
Volatile Organics							
1,1-Dichloroethene	*[1.85]*	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	*[9.4]*	ND	ND	0.4 J	ND	**73 D**	1
Ethylbenzene	*[3,280]*	ND	ND	ND	ND	ND	ND
Methylene Chloride	*[15.7]*	0.8 J	ND	ND	ND	0.8 J	0.7J
Tetrachloroethene	*[8.85]*	ND	ND	ND	ND	ND	ND
Toluene	*[3,400]*	0.7 J	ND	0.2 J	ND	ND	ND
1,1,1-Trichloroethane	*[5,280]*	ND	ND	ND	ND	ND	0.2 J
1,1,2-Trichloroethane	*[41.8]*	ND	ND	ND	ND	ND	ND
Trichloroethene	*[80.7]*	ND	ND	ND	ND	ND	0.5 J
Vinyl chloride	*[525]*	ND	ND	0.2 J	1	5.0	0.3 J

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

J = Estimated Value.

D = Compound quantitated on a diluted sample.

TABLE 4 (Page 2 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Sand/Gravel Monitoring Wells
Fourth Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	S-1 ECSGW1-07 PUMP 12/5/00	S-1 ECSGW1-07-D PUMP 12/5/00 Duplicate	S-2 ECSGW2-07 PUMP 12/5/00	S-3 ECSGW3-07 PUMP 12/6/00	S-4A ECSGW4-07 PUMP 12/7/00	MW13 ECSGWM13-07 PUMP 12/5/00
Semi-Volatile Organics							
Bis(2-ethylhexyl)phthalate	*[50,000]*	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	*[154,000]*	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	*[763]*	ND	ND	ND	ND	ND	ND
Diethylphthalate	*[52,100]*	ND	ND	ND	ND	ND	ND
Naphthalene	*[620]*	ND	ND	ND	ND	ND	ND
Phenol	*[570]*	ND	ND	ND	ND	ND	ND
Polychlorinated biphenyls							
Aroclor-1016	*[0.5]*	ND	ND	ND	ND	ND	ND
Aroclor-1221	*[1.0]*	ND	ND	ND	ND	ND	ND
Aroclor-1232	*[0.5]*	ND	ND	ND	ND	ND	ND
Aroclor-1242	*[0.5]*	ND	ND	ND	ND	ND	ND
Aroclor-1248	*[0.5]*	ND	ND	ND	ND	ND	ND
Aroclor-1254	*[0.5]*	ND	ND	ND	ND	0.11 J	ND
Aroclor-1260	*[0.5]*	ND	ND	ND	ND	ND	ND

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

J = Estimated value.

TABLE 4 (Page 3 of 3)
Analytical Results for Subsurface Water Samples
ECC Off-Site Sand/Gravel Monitoring Wells
Fourth Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE COMMENT	Acceptable Stream Concentration	S-1 ECSGW1-07 PUMP 12/5/00	S-1 ECSGW1-07-D PUMP 12/5/00 Duplicate	S-2 ECSGW2-07 PUMP 12/5/00	S-3 ECSGW3-07 PUMP 12/6/00	S-4A ECSGW4-07 PUMP 12/7/00	MW13 ECSGWM13-07 PUMP 12/5/00
Inorganics							
Arsenic	*[14.0]*	ND	ND	ND	ND	ND	21.2
Chromium VI	*[86.0]*	ND	ND	ND	ND	ND	ND
Lead	*[26.8]*	ND	ND	ND	ND	ND	ND
Nickel	*[100]*	0.96 B	0.96 B	6.2 B	9.1 B	1.9 B	8.9 B
Zinc	*[152]*	ND	ND	ND	ND	ND	ND
Cyanide	*[23.9]*	1.1 B	1.3 B	0.95 B	ND	ND	1.4 B

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

B = Analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit.

TABLE 5
Analytical Results for Surface Water Samples
ECC Surface Water Locations
Fourth Quarter 2000

LOCATION ENVIRON SAMPLE ID COLLECTION DATE COMMENT	Acceptable Stream Concentration	SW-1 ECSW1-07 12/5/00	SW-2 ECSW2-07 12/5/00
Volatile Organics			
1,1-Dichloroethene	*[1.85]*	ND	ND
1,2-Dichloroethene (total)	*[9.4]*	ND	0.6 J
Ethylbenzene	*[3,280]*	ND	ND
Methylene Chloride	*[15.7]*	ND	0.9 J
Tetrachloroethene	*[8.85]*	ND	ND
Toluene	*[3,400]*	ND	0.2 J
1,1,1-Trichloroethane	*[5,280]*	ND	ND
1,1,2-Trichloroethane	*[41.8]*	ND	ND
Trichloroethene	*[80.7]*	ND	ND
Vinyl chloride	*[525]*	ND	ND
Semi-Volatile Organics			
Bis(2-ethylhexyl)phthalate	*[50,000]*	ND	ND
Di-n-butylphthalate	*[154,000]*	ND	ND
1,2-Dichlorobenzene	*[763]*	ND	ND
Diethylphthalate	*[52,100]*	ND	ND
Naphthalene	*[620]*	ND	ND
Phenol	*[570]*	ND	ND
Polychlorinated biphenyls			
Aroclor-1016	*[0.5]*	ND	ND
Aroclor-1221	*[1.0]*	ND	ND
Aroclor-1232	*[0.5]*	ND	ND
Aroclor-1242	*[0.5]*	ND	ND
Aroclor-1248	*[0.5]*	ND	ND
Aroclor-1254	*[0.5]*	ND	ND
Aroclor-1260	*[0.5]*	ND	ND
Inorganics			
Arsenic	*[14.0]*	ND	ND
Chromium VI	*[86.0]*	ND	ND
Lead	*[26.8]*	ND	ND
Nickel	*[100]*	6.2 B	6.1 B
Zinc	*[152]*	ND	ND
Cyanide	*[23.9]*	2.4 B	2.6 B

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND= Not Detected

J = Estimated Value.

B = Analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit.

TABLE 6 (Page 1 of 2)
Analytical Results for Quality Assurance / Quality Control Samples
Fourth Quarter 2000

TYPE ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE	Most Stringent Acceptable Concentration	TRIP BLANK ECSW1-07-T 12/5/00 LAB	TRIP BLANK ECTTB1-07 11/19/00 LAB	TRIP BLANK TRIPBLANK3 12/6/00 LAB	FIELD BLANK ECTGW10-07-BP PUMP 12/7/00	FIELD BLANK ECTGW5-07-BT PUMP 12/7/00
Volatile Organic Compounds						
Acetone	*[3,500]*	ND	ND	4 J	5 B	6 B
1,1-Dichloroethene	*[1.85]*	ND	ND	ND	ND	ND
1,2-Dichloroethene (total)	*[9.4]*	ND	ND	0.2 J	ND	0.7 J
Ethylbenzene	*[680]*	ND	ND	ND	ND	ND
Methylene Chloride	*[15.7]*	1.0 J	ND	1 J	ND	ND
Methyl ethyl ketone	*[170]*	ND	ND	ND	ND	ND
Methyl Isobutyl ketone	*[1,750]*	ND	ND	ND	ND	ND
Tetrachloroethene	*[5.0]*	ND	ND	ND	ND	ND
Toluene	*[2,000]*	0.2 J	ND	ND	ND	ND
1,1,1-Trichloroethane	*[200]*	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	*[5.0]*	ND	ND	ND	ND	ND
Trichloroethene	*[6.4]*	ND	ND	ND	ND	ND
Vinyl Chloride	*[5.0]*	ND	ND	ND	ND	ND
Xylenes (Total)	*[10,000]*	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds						
Bis (2-ethylhexyl) phthalate	*[7.1]*	NA	NA	NA	2 J	2 J
Di-n-butyl phthalate	*[3,500]*	NA	NA	NA	ND	ND
1,2-Dichlorobenzene	*[600]*	NA	NA	NA	ND	ND
Diethyl Phthalate	*[28,000]*	NA	NA	NA	ND	ND
Isophorone	*[8.5]*	NA	NA	NA	ND	ND
Naphthalene	*[620]*	NA	NA	NA	ND	ND
Phenol	*[570]*	NA	NA	NA	ND	ND

Notes: All concentrations are in ug/L.

Concentrations in bold exceed the most stringent of the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Most stringent of the Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

ND = Not Detected.

J = Estimated value.

NA = Not Analyzed.

B = Analyte was also detected in the laboratory method blank.

TABLE 6 (Page 2 of 2)
Analytical Results for Quality Assurance / Quality Control Samples
Fourth Quarter 2000

TYPE ENVIRON SAMPLE ID COLLECTION METHOD COLLECTION DATE	Most Stringent Acceptable Concentration	TRIP BLANK ECSW1-07-T 12/5/00 LAB	TRIP BLANK ECTTB1-07 11/19/00 LAB	TRIP BLANK TRIPBLANK3 12/6/00 LAB	FIELD BLANK ECTGW10-07-BP PUMP 12/7/00	FIELD BLANK ECTGW5-07-BT PUMP 12/7/00
Polychlorinated biphenyls						
Aroclor 1016	*[0.5]*	NA	NA	NA	ND	ND
Aroclor 1221	*[1.0]*	NA	NA	NA	ND	ND
Aroclor 1232	*[0.5]*	NA	NA	NA	ND	ND
Aroclor 1242	*[0.5]*	NA	NA	NA	ND	ND
Aroclor 1248	*[0.5]*	NA	NA	NA	ND	ND
Aroclor 1254	*[0.5]*	NA	NA	NA	ND	ND
Aroclor 1260	*[0.5]*	NA	NA	NA	ND	ND
Inorganics						
Antimony	*[46.5]*	NA	NA	NA	ND	2.5 B
Arsenic	*[14]*	NA	NA	NA	ND	ND
Barium	*[1,000]*	NA	NA	NA	0.38 B	0.29 B
Beryllium	*[4]*	NA	NA	NA	ND	ND
Cadmium	*[10]*	NA	NA	NA	ND	ND
Chromium VI	*[86]*	NA	NA	NA	ND	ND
Lead	*[26.8]*	NA	NA	NA	ND	ND
Manganese	*[7,000]*	NA	NA	NA	0.10 B	0.21 B
Nickel	*[100]*	NA	NA	NA	1.6 B	1.3 B
Silver	*[50]*	NA	NA	NA	ND	ND
Tin	*[21,000]*	NA	NA	NA	ND	ND
Vanadium	*[245]*	NA	NA	NA	ND	ND
Zinc	*[152]*	NA	NA	NA	ND	ND
Cyanide (Total)	*[23.9]*	NA	NA	NA	1.2 B	0.94 B

Notes: All concentrations are in ug/L.
Concentrations in bold exceed the most stringent of the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.
[2] = Most stringent of the Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
B = Analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit.
ND = Not Detected.
NA = Not Analyzed.

FIGURES

FIGURES

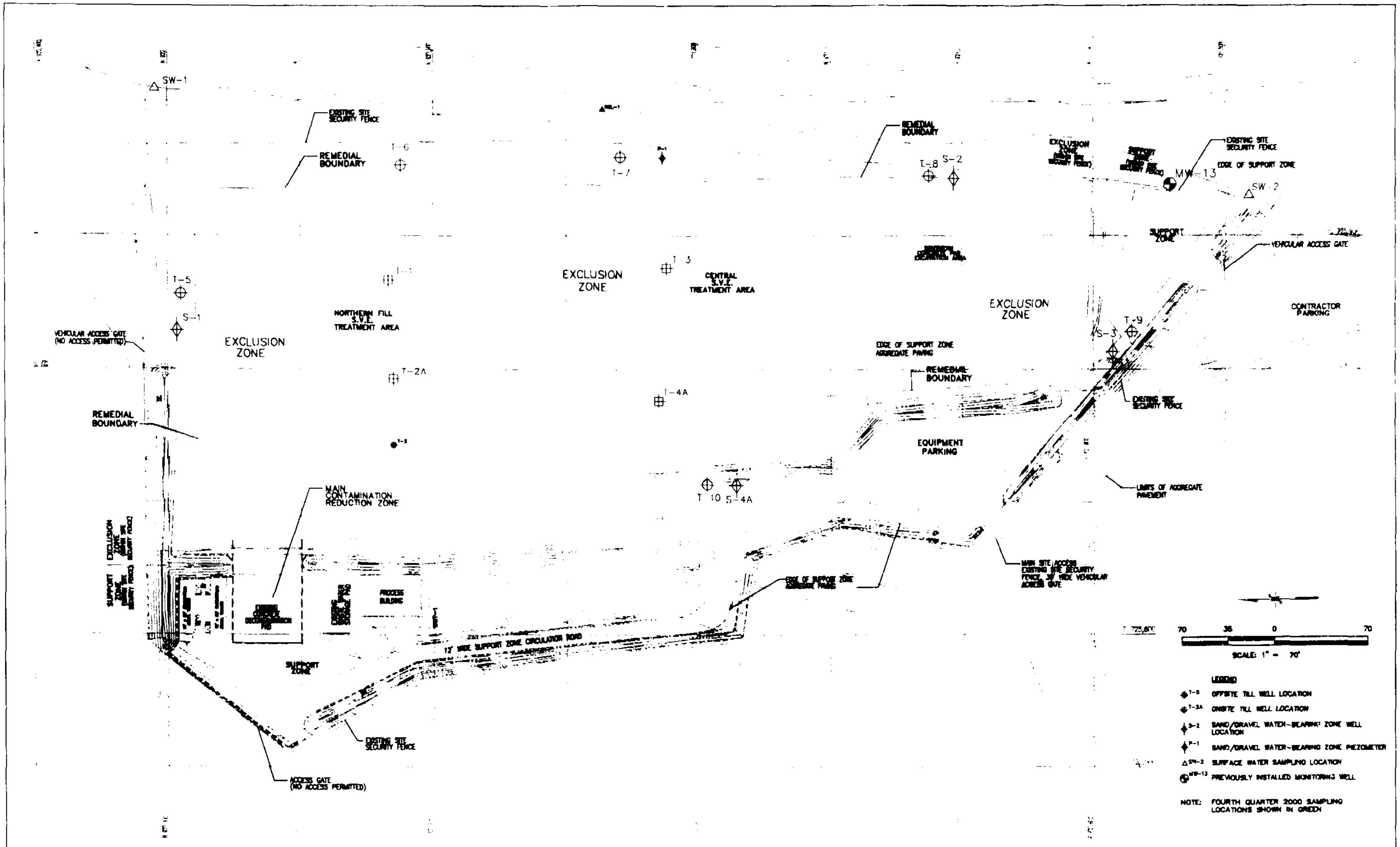


FIGURE 1

SUBSURFACE AND SURFACE WATER SAMPLING LOCATIONS

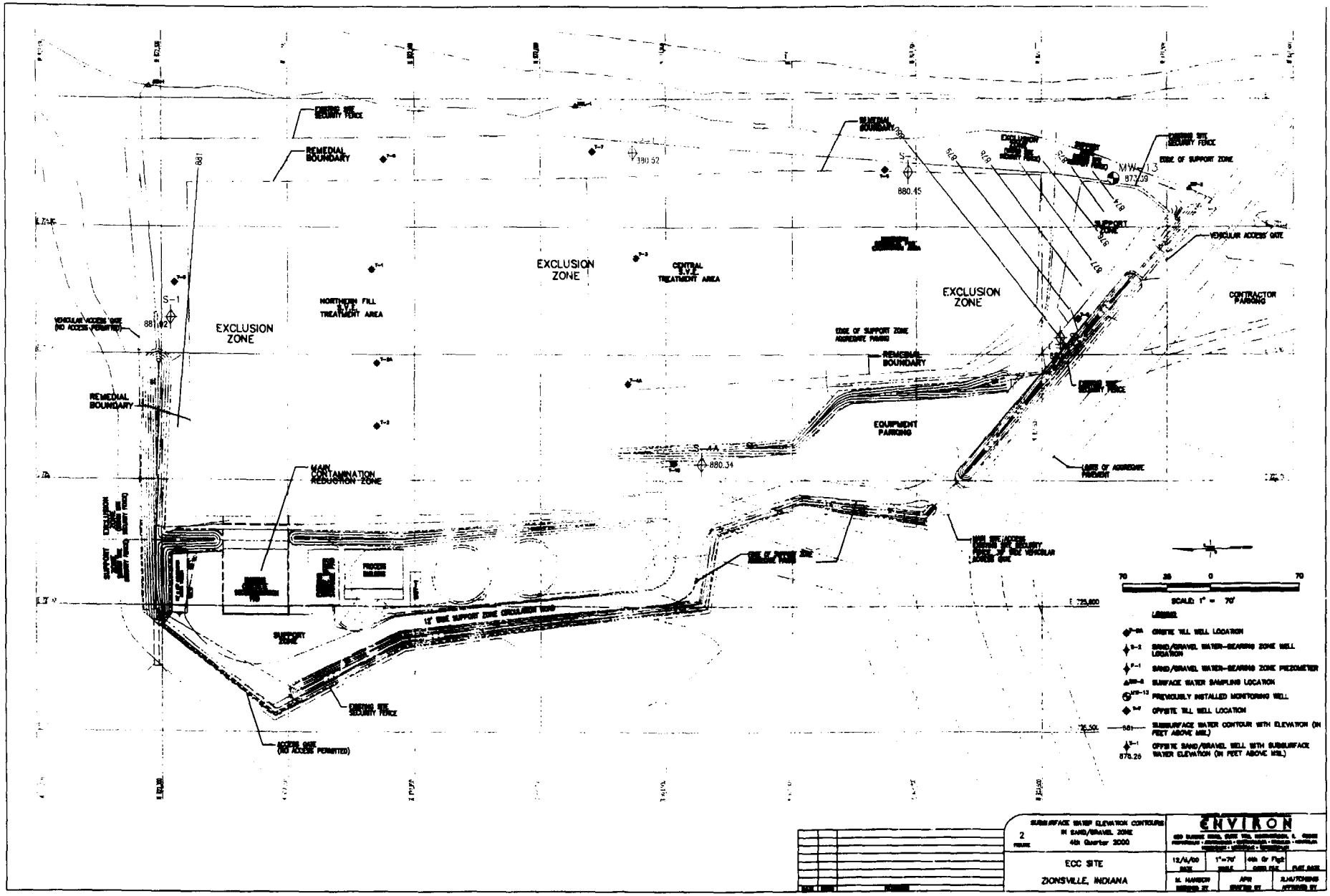
ECC SITE

ZIONSVILLE, INDIANA

ENVIRON

DATE	SCALE	CADD FILE	PLOT DATE
12/8/00	1"=70'	4th Qr Fig 1	

DESIGNED BY	DRAFTED BY	APPROVED BY
M. HANSON	AFR	J.HUTCHENS



2 FIGURE	SUBSURFACE WATER ELEVATION CONTOURS IN SAND/GRAVEL ZONE 4th Quarter 2000	ENVIRON
	ECC SITE ZIONSVILLE, INDIANA	12/1/00 DATE; 1"=70' SCALE; 4th Qr Figs; M. HANSON DRAWN BY; APR CHECKED BY; KJH/TOMKINS APPROVED BY

APPENDIX A

APPENDIX A
T-2A Well Log

ENVIRON

650 Dundee Road, Suite 150
Northbrook, Ilinois 60062

WELL CONSTRUCTION LOG

MONITORING WELL NO.: T-2A

TOTAL DEPTH: 25'

PROJECT INFORMATION

PROJECT:	**ECC: Monitoring Wells**
SITE LOCATION:	**Zionsville, IN**
JOB NO.:	**21-6585I**
LOGGED BY:	**Scott Hayter**
DATE(S) DRILLED:	**10-24-00**

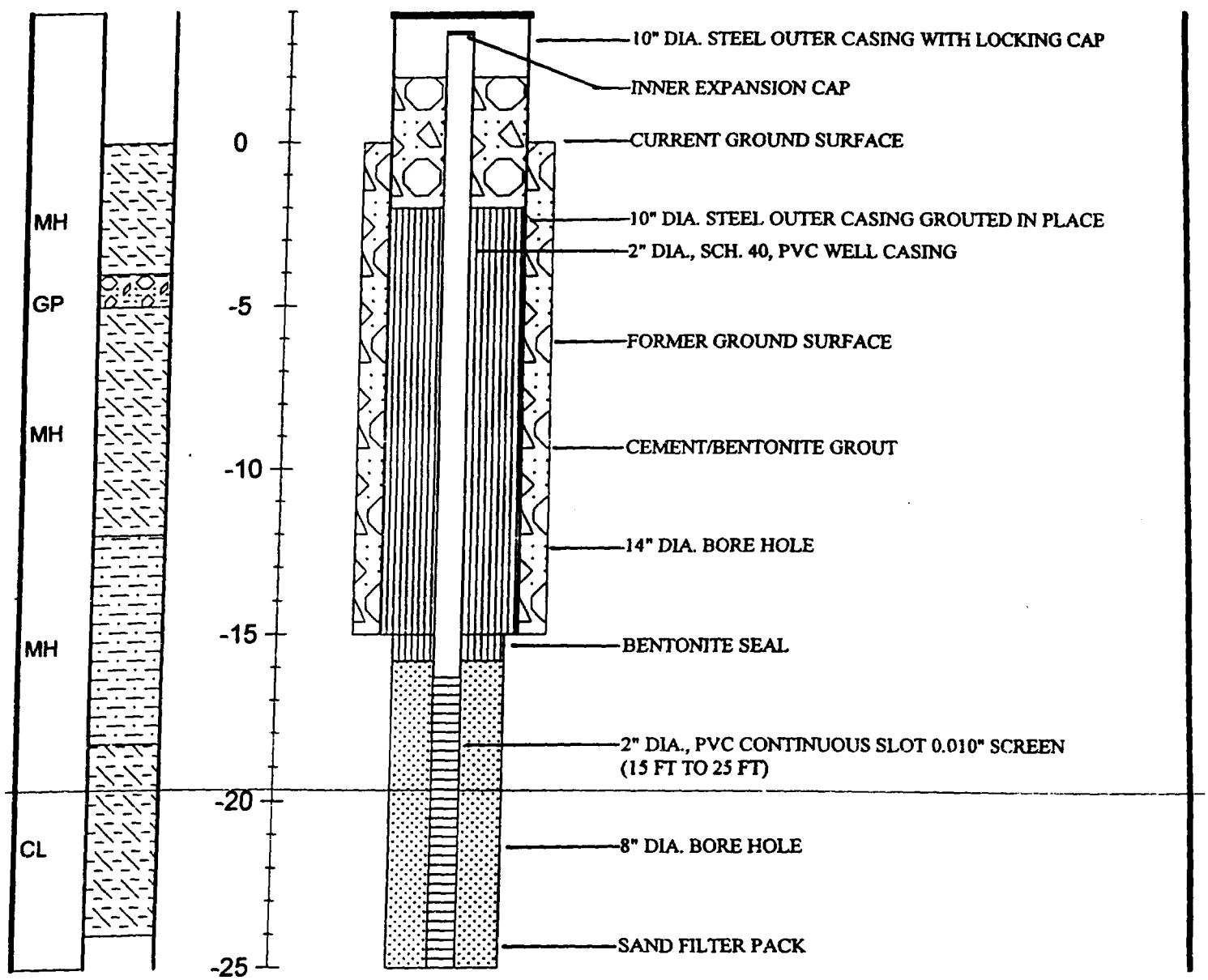
DRILLING INFORMATION

DRILLING CO.:	**Mid-America**
DRILLER:	**Jeff Acosta**
RIG TYPE:	**Detrich D-120**
METHOD OF DRILLING:	**hollow-stem auger**
BORE HOLE DIAMETER:	**split spoon**

T.O.C. ELEVATION:

SURVEY COORDINATES:

USCS	GRAPHIC LOG	DEPTH (ft)	WELL CONSTRUCTION



ENVIRON

650 Dundee Road, Suite 150
Northbrook, Illinois 60062

GEOLOGIC DRILL LOG

BOREHOLE NO.: **T-2A**
TOTAL DEPTH: **25'**

PROJECT INFORMATION

PROJECT:	**ECC: Monitoring Wells**
SITE LOCATION:	**Zionsville, IN**
JOB NO.:	**21-6585I**
LOGGED BY:	**Scott Hayter**
PROJECT MANAGER:	**Ron Hutchens**
DATES DRILLED:	**10-24-00**

DRILLING INFORMATION

DRILLING CO.:	**Mid-America**
DRILLER:	**Jeff Acosta**
RIG TYPE:	**Detrich D-120**
METHOD OF DRILLING:	**hollow-stem auger**
SAMPLING METHODS:	**split spoon**
HAMMER WT./DROP	**140 lb., 30 in.**

NOTES:

SS INTERVAL (ft)	SS RECOVERY (ft)	BLOW COUNTS	PID (ppm)	DEPTH (ft)	GRAPHIC LOG	USCS	LAYER DEPTH (ft)	SOIL DESCRIPTION
0-2	0.2	8,9,12,13	4	0		MH		CLAYEY SILT: Brown clayey silt with a trace of sand and a trace of fine gravel. Liner at 2.5 feet.
2-4	1	15,24,22,30	12				4.0	
4-6	.3	8,9,9,9	25	-5		GP	5.0	GRAVEL AND SAND: Black fine sand with 50% angular gravel.
6-8	.3	6,4,8,6	64					CLAYEY SILT: Brown clayey silt with a trace of sand and a trace of fine gravel.
8-10	1	4,4,6,8	106			MH		
10-12	1.3	4,6,9,13	78	-10				
12-14	.9	20,23,28,30	179				12.0	SILT: Gray brown to orange brown silt with a trace of fine gravel.
14-16	1	7,11,17,20	431	-15		MH		
16-18	1.3	10,10,16,21	229					
18-20	1.3	8,10,12,15	160				18.3	CLAYEY SILT: Brown clayey silt with a trace of sand and a trace of fine to medium gravel, moist.
20-22	1.9	10,14,16,20	62	-20		CL		CLAYEY SILT: Brown silty clay with a trace of sand and a trace of fine to medium gravel, moist.
22-24	1.9	16,18,20,20	6					
				-25				

APPENDIX B

APPENDIX B
Field Measurements and Purge Data

TABLE B-1
FIELD MEASUREMENTS AND PURGE DATA
FOURTH QUARTER 2000 ON-SITE TILL WELLS
ECC SUPERFUND SITE

Field Parameters and Data	T-1	T-2A	T-3	T-4A
Date	12/6/00	11/18/00	11/18/00	12/6/00
Weather Conditions	Cloudy/snow 20F	Partly cloudy 35F	Partly cloudy 35F	Cloudy/snow 17F
Before Purging				
pH	7.44	6.98	6.97	5.97
Dissolved Oxygen (ppm)	4.38	NM	0.38	3.92
Temperature (C)	8.4	4.2	13.6	10.3
Specific Conductivity (mS/cm)	0.563	1.71	NM	1.15
Total Depth of Well (Ft from top of inner casing to water)	26.23	27.45	27.7	24.07
Depth to water (Ft from top of inner casing to water)	16.6	25.52	15.4	15.54
Estimated water volume in well (gallons)	1.6	0.32	2.0	1.3
Three Well Volumes(gallons)	4.8	0.943	6.0	4.2
After Purging				
Purge Start	1645	1032	1320	1205
Purge End	1910	1129	1455	1440
Purge Method	BP	BP	BP	BP
Approximate Purge Rate (ml/m)	200	50	50	150
Total Volume Purged (gal.)	4.8	1**	4.8**	4.2
pH	7.63	NM	7.2	7.04
Dissolved Oxygen (ppm)	2.92	NM	3.68	3.57
Temperature (C)	6.96	NM	6.2	5.7
Specific Conductivity (mS/cm)	0.474	NM	1.59	1.17
Sampling				
Sampling Date(s)	12/6/00	11/18/00-11/19/00	11/18/00-11/19/00	12/6/00
Sampling End Time	1935	950	830	1500
Sampling Method	BP	BP	BP	BP

Notes:
NM = No Measurement
BT = Bailer (Teflon) PP = Peristaltic Pump PID = Photoionization Detector
BP=Bladder-Pump ** = Well Purged dry.

TABLE B-2
FIELD MEASUREMENTS AND PURGE DATA
FOURTH QUARTER 2000 OFF-SITE TILL WELLS
ECC SUPERFUND SITE

Field Parameters and Data	T-5	T-6	T-7	T-8	T-9	T-10
Date	12/5/00	12/5/00	12/5/00	12/5/00	12/6/00	12/7/00
Weather Conditions	Overcast 30F	Overcast 27F	Overcast 23F	Overcast 23F	Overcast/Snow 20F	Overcast/Flurries 23F
Before Purging						
pH	6.26	5.5	10.98	7.25	6.54	NM
Dissolved Oxygen (ppm)	7.05	1.9	2.56	3.31	2.28	NM
Temperature (C)	11.8	10.4	9.9	9.9	12	NM
Specific Conductivity (mS/cm)	0.595	3.35	0.571	0.562	1.32	NM
Total Depth of Well (Ft from top of inner casing to water)	18.59	19.14	17.47	15.82	25.15	17.85
Depth to water (Ft from top of inner casing to water)	13.85	10.88	10.44	8.91	2.97	9.45
Estimated water volume in well (gallons)	0.77	1.35	1.14	1.13	3.6	1.4
Three Well Volumes (gallons)	2.31	4	3.5	3.5	10.8	4.1
After Purging						
Purge Start	1240	830	1015	1200	1705	1030
Purge End	1320	910	1110	1425	1835	1110
Purge Method	PP	PP	PP	PP	PP	PP
Approximate Purge Rate (gpm)	0.41	0.10	0.09	0.06	0.13	0.12
Total Volume Purged (gal.)	1.63**	4	3.5	3.5**	11	4.8
pH	NM	5.49	8.15	7.25	6.68	6.63
Dissolved Oxygen (ppm)	NM	1.65	1.26	6.28	5.24	2.26
Temperature (C)	NM	10.1	10.8	9.7	12.2	12.18
Specific Conductivity (mS/cm)	NM	3.43	0.63	0.565	1.38	1.48
Sampling						
Sampling Date(s)	12/5/00-12/7/00	12/5/00	12/5/00	12/5/00	12/6/00	12/7/00
Sampling End Time	1150	1130	1440	1738	1835	1245
Sampling Method	PP	PP	PP	PP	PP	PP

Notes:

** = Well purged dry.
NM = No Measurement
BT = Bailer (Teflon)
PP = Peristaltic Pump
PID = Photoionization Detector

TABLE B-3
FIELD MEASUREMENTS AND PURGE DATA
FOURTH QUARTER 2000 OFF-SITE SAND/GRAVEL WELLS
ECC SUPERFUND SITE

Field Parameters and Data	S-1	S-2	S-3	S-4A	MW-13
Date	12/5/00	12/5/00	12/6/00	12/7/00	12/5/00
Weather Conditions	Overcast 23F	Overcast 23F	Overcast 15F	Overcast/Flurries 26F	Overcast 22F
Before Purging					
pH	6.05	7.26	7.03	4.23	6.37
Dissolved Oxygen (ppm)	1.14	2.56	0.7	0.7	1.62
Temperature (C)	11.4	12.22	12.8	12.5	11.6
Specific Conductivity (mS/cm)	0.542	1.18	1.19	0.548	1.75
Total Depth of Well (Feet below ground surface)	40.87	21.88	35.33	45.89	16.89
Depth to water (Ft from top of inner casing to water)	9.25	8.01	2.44	9.25	9.91
Estimated water volume in well (gallons)	5.15	2.3	5.4	5.9	1.14
Three Well Volumes(gallons)	15.5	6.8	16	18	3.5
After Purging					
Purge Start	1650	1205	1305	1025	1505
Purge End	1815	1256	1430	1218	1530
Purge Method	PP	PP	PP	PP	PP
Approximate Purge Rate (gpm)	0.18	0.16	0.17	0.17	0.17
Total Volume Purged (gal.)	15.5	7.5	16	18.5	3.5
pH	6.18	7.08	7.12	7.2	6.53
Dissolved Oxygen (ppm)	1.29	1.66	3.08	1.23	1.03
Temperature (C)	11.5	13.1	13.21	12.9	11.8
Specific Conductivity (mS/cm)	0.544	1.04	1.13	0.716	1.75
Sampling					
Sampling Date(s)	12/5/00	12/5/00	12/6/00	12/7/00	12/5/00
Sampling End Time	1815	1610	1430	1225	1805
Sampling Method	PP	PP	PP	PP	PP

Notes:
BT = Bailer (Teflon) PP = Peristaltic Pump PID = Photoionization Detector

TABLE B-4
FIELD MEASUREMENTS
SECOND QUARTER 2000 SURFACE WATER SAMPLING
ECC SUPERFUND SITE

Field Parameters and Data	SW-1	SW-2
Date	12/5/00	12/5/00
Weather Conditions	Overcast 35F	Overcast 35F
Sampling Time	1400	1530
pH	6.5	6.69
Dissolved Oxygen (ppm)	NM	16.34
Temperature (C)	2.7	3.6
Specific Conductivity (mS/cm)	0.857	1.17
Unnamed Ditch Flow Measurements		
Flow Velocity (ft/sec)	0.7	0.6
Cross Sectional Area (ft^2)	0.15	0.24
Calculated Flow Volume (Gal/min)	44.8	67.2
Storm Event - Rain Accumulation		
Accumulation 24 hours prior to sampling (inches) *	0.00	0.00
Accumulation 48 hours prior to sampling (inches) *	0.00	0.00

Notes:

* measurement recorded at Fisher weather station in Hamilton County

APPENDIX C

APPENDIX C
Historical Quarterly Monitoring Analytical Data

TABLE C-1
Summary of Analytical Results for Monitoring Well T-1
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-1 ECTGW1-01 4th 1998	T-1 ECTGW-01 2nd 1999	T-1 ECTGW1-05 4th 1999	T-1 ECTGW1-06 2nd 2000	T-1 ECTGW1-07 4th 2000
Votatile Organics						
Acetone	*[3,500]*	2 U	2 U	1.0 J	2 U	5 U
1,1-Dichloroethene	*[7]*	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,2-Dichloroethene(total)	*[70]*	0.4 JB	0.5 U	0.8	0.1 J	0.3 J
Ethylbenzene	*[680]*	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Methylene Chloride	*[156.6]*	2 B	1	0.8	1 B	0.8 J
Methyl ethyl ketone	*[170]*	2 U	2 U	1.0 J	2 U	5 U
Methyl isobutyl ketone	*[1,750]*	2 U	2 U	2.0 U	2 U	5 U
Tetrachloroethene	*[5.0]*	1	14	0.6	0.7	1 U
Toluene	*[2,000]*	0.5 U	2	0.3 J	0.2 J	1 U
1,1,1-Trichloroethane	*[200]*	0.5 U	9	0.5 U	0.5 U	1 U
1,1,2 Trichloroethane	*[5.0]*	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Trichloroethene	*[6.4]*	0.5 U	22	0.4 J	.4 J	0.3 J
Vinyl Chloride	*[5.0]*	0.5 U	0.4 J	0.5 U	0.6	1
Xylenes (total)	*[10,000]*	0.4 JB	0.6	0.5 U	0.5 U	1 U
Semi-Volatile Organics						
Bis (2-ethylhexyl) phthalate	*[7.1]*	10 U	2 J	4.0 J	0.9 J	2 J
Di-n-butyl phthalate	*[3,500]*	10 U	11 U	9.0 U	9 U	11 U
1,2-Dichlorobenzene	*[600]*	10 U	11 U	9.0 U	9 U	1 U
Diethylphthalate	*[28,000]*	10 U	11 U	9.0 U	9 U	11 U
Isoporone	*[8.5]*	10 U	11 U	9.0 U	9 U	11 U
Naphthalene	*[14,000]*	10 U	11 U	9.0 U	9 U	11 U
Phenol	*[1,400]*	16	11 U	9.0 U	9 U	11 U
Polychlorinated biphenyls						
Aroclor-1016	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	1.0 U	1.0 U	0.98 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.51 U	0.5 U	0.49 U	1.0 U
Inorganics						
Antimony	*[46.5]*	1.7 U	1.0 U	NA	3.1 B	2.4 B
Arsenic	*[50]*	3.6 B	2.1 B	7.6 U	2.1 U	3.4 U
Barium	*[1,000]*	425	587	NA	398	344
Beryllium	*[4]*	1 U	0.61 B	NA	0.10 U	0.2 U
Cadmium	*[10]*	1 U	0.57 B	0.30 U	0.30 U	0.3 U
Chromium VI	*[50]*	10 U	10 U	10.0 U	160	10 U
Lead	*[50]*	0.7 U	1.0 U	1.5 U	1.1 U	2.1 U
Manganese	*[7,000]*	115	103	NA	125	262
Nickel	*[150]*	0.7 U	3.1 B	1.1 U	3.2 U	1.6 B
Silver	*[50]*	0.4 U	0.4 U	NA	0.50 U	0.4 U
Tin	*[21,000]*	4.7 U	2.0 U	NA	2.8 U	6.1 U
Vanadium	*[245]*	0.51 B	0.4 U	NA	0.74 B	0.7 U
Zinc	*[7,000]*	1.5 U	39.6	3.1 U	9.6 B	1.2 U
Cyanide	*[154]*	10 U	4.7 U	8.2 U	0.90 U	0.9 U

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.

[2]= Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <Contract Required Detection Limit but >= Instrument Detection Limit (inorganic).

J = Estimated value.

VALUE/VALUE= Sample Value/Duplicate Sample Value

TABLE C-2
Summary of Analytical Results for Monitoring Well T-2 and T-2A
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-2 ECTGW2-01 4th 1998	T-2 ECTGW-02 2nd 1999	T-2A ECTGW2-07 4th 2000
Votatile Organics				
Acetone	*[3,500]*	**10,000 B**	12,000 U	3,000
1,1-Dichloroethene	*[7]*	1,900 U	**1,900 J**	**800**
1,2-Dichloroethene(total)	*[70]*	1,900 U	**4,200**	**1,444**
Ethylbenzene	*[680]*	1,900 U	**1,900 J**	**800**
Methylene Chloride	*[156.6]*	**12,000 B**	**71,000**	**6,100**
Methyl ethyl ketone	*[170]*	**2,200 J**	12,000 U	2,000 U
Methyl isobutyl ketone	*[1,750]*	**2,700 J**	**12,000 JB**	2,000 U
Tetrachloroethene	*[5.0]*	**17,000**	**79,000 D**	**53,000**
Toluene	*[2,000]*	**3,600**	**22,000**	**8,800**
1,1,1-Trichloroethane	*[200]*	**31,000**	**91,000 D**	**30,000**
1,1,2 Trichloroethane	*[5.0]*	1,900 U	2,500 U	**77**
Trichloroethene	*[6.4]*	**6,000**	**190,000 D**	**50,000**
Vinyl Chloride	*[5.0]*	1,900 U	2,500 U	**20**
Xylenes (total)	*[10,000]*	1,900 U	8,900	2,900
Semi-Volatile Organics				
Bis (2-ethylhexyl) phthalate	*[7.1]*	**1,300**	**8,000 J**	2.5 U
Di-n-butyl phthalate	*[3,500]*	**59 J**	10,000 U	10 U
1,2-Dichlorobenzene	*[600]*	**6,900**	**77,000**	**64.6**
Diethylphthalate	*[28,000]*	500 U	10,000 U	10 U
Isoporone	*[8.5]*	**390 J**	10,000 U	8.3 U
Naphthalene	*[14,000]*	**410 J**	**18,000 J**	10 U
Phenol	*[1,400]*	200	10,000 U	10 U
Polychlorinated biphenyls				
Aroclor-1016	*[0.5]*	1 U	1.3 U	0.8 U
Aroclor-1221	*[1.0]*	2 U	2.5 U	0.8 U
Aroclor-1232	*[0.5]*	1 U	1.3 U	0.8 U
Aroclor-1242	*[0.5]*	1 U	1.3 U	0.8 U
Aroclor-1248	*[0.5]*	1 U	1.3 U	0.8 U
Aroclor-1254	*[0.5]*	1 U	1.3 U	0.8 U
Aroclor-1260	*[0.5]*	1 U	1.3 U	0.8 U
Inorganics				
Antimony	*[46.5]*	1.7 U	4.4 B	100 U
Arsenic	*[50]*	6.4 B	8.1 B	20 U
Barium	*[1,000]*	184	852	130
Beryllium	*[4]*	0.2 U	0.35 B	--
Cadmium	*[10]*	1.1	1.9 B	5 U
Chromium VI	*[50]*	10 U	10 U	10 U
Lead	*[50]*	0.7 U	1.0 U	50 U
Manganese	*[7,000]*	21	1.1 B	250
Nickel	*[150]*	2 B	3.8 B	10 U
Silver	*[50]*	0.4 U	0.4 U	10 U
Tin	*[21,000]*	4.7 U	33.5	--
Vanadium	*[245]*	1.2 B	3.1 B	50 U
Zinc	*[7,000]*	1.5 U	1.1 B	10 U
Cyanide	*[154]*	10 U	4.7 U	--

Notes:

All concentrations are in ug/L.

Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract

J = Estimated value.

TABLE C-3
Summary of Analytical Results for Monitoring Well T-3
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-3 ECTGW3-01 4th 1998	T-3 ECTGW-03 2nd 1999	T-3 ECTGW3-05 4th 1999	T-3 ECTGW3-06 2nd 2000	T-3 ECTGW3-07 4th 2000
Volatile Organics						
Acetone	*[3,500]*	550 JB	780 U	22 B	2 U	20
1,1-Dichloroethene	*[7]*	160 U	160 U	4.0	3	5 U
1,2-Dichloroethene(total)	*[70]*	**5,200**	**5,780**	**6,400 D**	**3,800 D**	**9,040**
Ethylbenzene	*[680]*	160 U	160 U	2.0	6	7
Methylene Chloride	*[156.6]*	**270 B**	**98 JB**	6.0	**5 B**	5 U
Methyl ethyl ketone	*[170]*	**780 U**	780 U	2.0 U	2 U	20 U
Methyl isobutyl ketone	*[1,750]*	250 J	780 U	99	7	20 U
Tetrachloroethene	*[5.0]*	160 U	160 U	**21**	**10**	**130**
Toluene	*[2,000]*	280	190	90 DJ	57 DJ	53
1,1,1-Trichloroethane	*[200]*	92 J	160 U	59 DJ	32 E	52
1,1,2 Trichloroethane	*[5.0]*	160 U	160 U	**3.0**	**2**	5 U
Trichloroethene	*[6.4]*	160 U	160 U	**49 DJ**	**21**	**70**
Vinyl Chloride	*[5.0]*	**280**	**270**	**470 D**	**160 D**	**300**
Xylenes (total)	*[10,000]*	110 J	160 U	46	20	36
Semi-Volatile Organics						
Bis (2-ethylhexyl) phthalate	*[7.1]*	**29**	**9 J**	**32**	**12**	2.5 U
Di-n-butyl phthalate	*[3,500]*	10 U	10 U	1.0 J	10 U	10 U
1,2-Dichlorobenzene	*[600]*	21	9 J	24	4 J	10 U
Diethylphthalate	*[28,000]*	10 U	10 U	11 U	10 U	10 U
Isoporone	*[8.5]*	**3 J**	**3 J**	11 U	10 U	**8.3 U**
Naphthalene	*[14,000]*	**4 J**	**1 J**	6.0 J	10 U	10 U
Phenol	*[1,400]*	10	10 U	1.0 J	10 U	10 U
Polychlorinated biphenyls						
Aroclor-1016	*[0.5]*	1 U	0.51 U	0.49 U	0.56 U	0.6 U
Aroclor-1221	*[1.0]*	2 U	1.0 U	0.98 U	1.1 U	0.6 U
Aroclor-1232	*[0.5]*	1 U	0.51 U	0.49 U	0.56 U	0.6 U
Aroclor-1242	*[0.5]*	1 U	0.51 U	0.49 U	0.56 U	0.6 U
Aroclor-1248	*[0.5]*	1 U	0.51 U	0.49 U	0.56 U	0.6 U
Aroclor-1254	*[0.5]*	1 U	0.51 U	0.49 U	0.56 U	0.6 U
Aroclor-1260	*[0.5]*	1 U	**29 J**	0.49 U	0.56 U	0.6 U
Inorganics						
Antimony	*[46.5]*	1.7 U	2.0 B	2.2 B	1.5 U	100 U
Arsenic	*[50]*	9.7 B	10.6	8.8 B	4.6 B	20 U
Barium	*[1,000]*	189	478	263	230	280
Beryllium	*[4]*	1 U	0.68 B	0.29 B	0.1 U	--
Cadmium	*[10]*	0.7 U	1.9 B	0.31 B	0.3 U	5 U
Chromium VI	*[50]*	10 U	10 U	10.0 U	35.8	10 U
Lead	*[50]*	0.7 U	1.0 U	1.5 U	1.1 U	50 U
Manganese	*[7,000]*	24.7	151	167	195	240
Nickel	*[150]*	40.3	54.3	53.1	44.6	50
Silver	*[50]*	0.4 U	0.4 U	0.90 U	0.5 U	10 U
Tin	*[21,000]*	4.7 U	2.0 U	3.6 U	2.8 U	--
Vanadium	*[245]*	0.56 B	0.4 U	0.80 U	0.4 U	50 U
Zinc	*[7,000]*	1.5 U	30	3.1 U	3.6 U	10 U
Cyanide	*[154]*	26.7	27	21.1	6.8 B	--

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.

[2]= Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is

J = Estimated value.

D = Compound quantitated on a diluted sample.

TABLE C-4
Summary of Analytical Results for Monitoring Well T-4A
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Subsurface Water Concentration	T-4A ECTGW4A-01 4th 1998	T-4A ECTGW-04 2nd 1999	T-4A ECTGW4-05 4th 1999	T-4A ECTGW4-06 2nd 2000	T-4A ECTGW4-07 4th 2000
Volatile Organics						
Acetone	[3,500]	2 U	2 U	3.0 B	2 U/2 U	5 U
1,1-Dichloroethene	[7]	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U
1,2-Dichloroethene(total)	[70]	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U
Ethylbenzene	[680]	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U
Methylene Chloride	[156.6]	2 B	1	0.5	1 B/0.7 B	0.8 J
Methyl ethyl ketone	[170]	2 U	2 U	0.7 J	2 U/2 U	5 U
Methyl isobutyl ketone	[1,750]	2 U	2 U	2.0 U	2 U/2 U	5 U
Tetrachloroethene	[5.0]	4	0.5 U	2.0	0.5 U/0.5 U	1 U
Toluene	[2,000]	0.6 B	0.5 U	0.4 J	0.3 J/0.2 J	1 U
1,1,1-Trichloroethane	[200]	0.5 U	0.5 U	1.0	0.5 U/0.5 U	1 U
1,1,2 Trichloroethane	[5.0]	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U
Trichloroethene	[6.4]	5	0.6	2.0	0.5 U/0.5 U	1 U
Vinyl Chloride	[5.0]	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U
Xylenes (total)	[10,000]	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	1 U
Semi-Volatile Organics						
Bis (2-ethylhexyl) phthalate	[7.1]	5 J	10 U	13	7 J/10	2 J
Di-n-butyl phthalate	[3,500]	10 U	10 U	10 U	10 U/10 U	10 U
1,2-Dichlorobenzene	[600]	10 U	10 U	10 U	10 U/10 U	1 U
Diethylphthalate	[28,000]	10 U	10 U	10 U	10 U/10 U	10 U
Isoporone	[8.5]	10 U	10 U	10 U	10 U/10 U	10 U
Naphthalene	[14,000]	10 U	10 U	10 U	10 U/10 U	10 U
Phenol	[1,400]	10 U	10 U	10 U	10 U/10 U	10 U
Polychlorinated biphenyls						
Aroclor-1016	[0.5]	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U
Aroclor-1221	[1.0]	2 U	1.0 U	1.1 U	1.0 U/1.0 U	2.0 U
Aroclor-1232	[0.5]	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U
Aroclor-1242	[0.5]	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U
Aroclor-1248	[0.5]	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U
Aroclor-1254	[0.5]	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U
Aroclor-1260	[0.5]	1 U	0.53 U	0.54 U	0.53 U/0.53 U	1.0 U
Inorganics						
Antimony	[46.5]	1.7 U	1.0 U	1.8 U	1.5 U/1.5 U	2.6 B
Arsenic	[50]	1.7 B	1.4 U	7.6 U	2.1 U/5.2 B	3.4 U
Barium	[1,000]	197	255	67.1	47.9/93.1	40.4 B
Beryllium	[4]	0.2 U	0.34 B	0.39 B	0.1 U/0.1 U	0.2 U
Cadmium	[10]	1.1 B	1.7 B	0.30 U	0.3 U/0.3 U	0.3 U
Chromium VI	[50]	10 U	10 U	10.0 U	113/80.4	10 U
Lead	[50]	0.7 U	1.0 U	1.5 U	1.1 U/4.1	2.1 U
Manganese	[7,000]	63	191	289	85.2/293	330
Nickel	[150]	7.2 B	11.1	5.3	5.6/18	7.8 B
Silver	[50]	0.4 U	0.4 U	0.90 U	0.5 U/0.5 U	0.4 U
Tin	[21,000]	4.7 U	2.0 U	3.6 U	2.8 U/2.8 U	6.1 U
Vanadium	[245]	0.4 U	0.4 U	0.80 U	0.4 U/11.8 B	0.7 U
Zinc	[7,000]	1.5 U	30.8	3.1 U	3.6 U/40.4	1.2 U
Cyanide	[154]	10 U	4.7 U	8.2 U	0.9 U/0.9 U	1.1 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Subsurface Water Concentrations as presented in the December 22, 2000 Background Report.

[2]= Revised Site-Specific Acceptable Subsurface Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

1 U/0.8 U = Duplicate sample result.

TABLE C-5

Summary of Analytical Results for Monitoring Well T-5

ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-5 ECTGW5-01 4th 1998	T-5 ECTGW5-02 1st 1999	T-5 ECTGW5-03 2nd 1999	T-5 ECTGW5-04 3rd 1999	T-5 ECTGW5-05 4th 1999	T-5 ECTGW5-06 2nd 2000	T-5 ECTGW5-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Methylene Chloride	*[15.7]*	2 B	0.7 B	0.4 J	0.1 J	0.9	1.0 B	2 U
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.2 J	1 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Vinyl chloride	*[525]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	4 J	12 U	12 U	9.0 U	7.0 J	1 J	1 J
Di-n-butyl phthalate	*[154,000]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U	1 U
Diethylphthalate	*[52,100]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U	10 U
Naphthalene	*[620]*	10 U	12 U	12 U	9.0 U	9.0 U	10 U	10 U
Phenol	*[570]*	10 U	12 U	2 J	9.0 U	9.0 U	10 U	10 U
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	1 U	1.0 U	1.0 U	1.0 U	0.94 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.5 U	0.53 U	0.5 U	0.51 U	0.47 U	1.0 U
Inorganics								
Arsenic	*[14]*	2.3 B	1.4 U	3.0 B	2.1 B	7.6 U	2.1 U	3.9 B
Chromium VI	*[86]*	10 U	10 U	10 U	10.0 U	10 U	100	10 U
Lead	*[26.8]*	0.7 U	1.3 B	1.0 U	1.0 U	1.5 U	1.1 U	2.1 U
Nickel	*[100]*	1.4 B	0.8 U	3.3 B	3.2 B	2.6 B	3.2 U	3.0 B
Zinc	*[152]*	1.5 U	24.1	13.5 B	9.7 B	114	18 B	1.2 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U	1.3 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

1 U/0.8 U = Duplicate sample result.

TABLE C-6
Summary of Analytical Results for Monitoring Well T-6
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-6 ECTGW6-01 4th 1998	T-6 ECTGW6-02 1st 1999	T-6 ECTGW6-02 2nd 1999	T-6 ECTGW6-02 3rd 1999	T-6 ECTGW6-02 4th 1999	T-6 ECTGW6-06 2nd 2000	T-6 ECTGW6-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	500 U	1,200 U	620 U	**4.0**	37	1200 U	1000 U
1,2-Dichloroethene(total)	*[9.4]*	20,000	**47,000**	**54,000 D**	**71,300 D**	**11,750 D**	36,000	**18,000**
Ethylbenzene	*[3,280]*	500 U	1,200 U	620 U	10	140	230 J	240 J
Methylene Chloride	*[15.7]*	**970 B**	**1,500 B**	**570 JB**	7.0	**97**	**920 JB**	**2000 U**
Tetrachloroethene	*[8.85]*	500 U	1,200 U	620 U	0.3 J	4.0 J	1200 U	1000 U
Toluene	*[3,400]*	1,100	2,300	**4,300**	72 E	620 D	**3,800**	2,900
1,1,1-Trichloroethane	*[5,280]*	940	920 J	4,100	2,500 D	25 U	1,800	1000 U
1,1,2-Trichloroethane	*[41.8]*	500 U	1,200 U	620 U	0.5 U	25 U	1200 U	1000 U
Trichloroethene	*[80.7]*	500 U	1,200 U	620 U	0.6	8.0 J	1200 U	1000 U
Vinyl chloride	*[525]*	430 J	**1,100 J**	**2,500**	110 E	**1,200 D**	**1,500**	**10,000**
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	1 J	19 U	1 J	50 U	4.0 J	0.8 J	1 J
Di-n-butyl phthalate	*[154,000]*	11 U	19 U	10 U	50 U	9.0 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	26 U	27 D	52 D	34 J	29	68	250 J
Diethylphthalate	*[52,100]*	3 J	19 U	1 J	50 U	2.0 J	4 J	6 J
Naphthalene	*[620]*	14	7 DJ	10 J	11 J	9.0 J	24	21
Phenol	*[570]*	**870 D**	200 D	230 D	520	390 D	120 D	390 D
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	1 U	1.1 U	1.0 U	1.0 U	0.98 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.2 P
Aroclor-1254	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.5 U	0.49 U	1.0 U
Inorganics								
Arsenic	*[14]*	**25.9 B**	**29.1**	**36.8**	**42.3**	**43.2**	**60.8**	**48.8**
Chromium VI	*[86]*	10 U	10 U	10 U	10.0 U	10.0 U	**17.6**	10 U
Lead	*[26.8]*	0.7 U	0.7 U	1.0 U	1.0 U	1.5 U	1.1 U	2.1 U
Nickel	*[100]*	43	31	31.2	44.5	39.9	40.3	43.8
Zinc	*[152]*	1.5 U	**200**	19.0 B	12.8 B	27.3	3.6 U	1.2 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	3.4 B	8.2 U	0.9 U	1.9 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values. USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

D = Compound quantitated on a diluted sample.

1 U/0.8 U = Duplicate sample result.

P = Indicates a 25% or greater difference for detected concentrations between the two GC columns. The lower of the two values is reported.

TABLE C-7
Summary of Analytical Results for Monitoring Well T-7
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-7 ECTGW7-01 4th 1998	T-7 ECTGW7-02 1st 1999	T-7 ECTGW-07 2nd 1999	T-7 ECTGW7-02 3rd 1999	T-7 ECTGW7-02 4th 1999	T-7 ECTGW7-06 2nd 2000	T-7 ECTGW7-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	0.8 U	2 U	2 U	0.5 U	0.5 U	0.5 U	4 U
1,2-Dichloroethene(total)	*[9.4]*	**23**	**93**	**69**	**123 D**	**64 D**	**59**	**26**
Ethylbenzene	*[3,280]*	0.8 U	2 U	2 U	1.0	2.0	3	4 U
Methylene Chloride	*[15.7]*	2 B	3 B	2 JB	1.0	0.6	3 B	8 U
Tetrachloroethene	*[8.85]*	0.4 J	2 U	2 U	2.0	3.0	3	4 U
Toluene	*[3,400]*	4	13	2 U	18	18	24	4
1,1,1-Trichloroethane	*[5,280]*	0.8 U	2 U	2 U	0.5 U	0.5 U	0.5 U	4 U
1,1,2-Trichloroethane	*[41.8]*	0.8 U	2 U	2 U	0.5 U	0.5 U	0.5 U	4 U
Trichloroethene	*[80.7]*	4	13	8	17	12	14	3 J
Vinyl chloride	*[525]*	0.6 J	1 J	1 J	3.0	2.0	7	0.7 J
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	1 J	10 U	2 J	2.0 J	1.0 J	2 J	10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	2 J	10 U	10 U	10 U	10 U	2 J	4 U
Diethylphthalate	*[52,100]*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	*[620]*	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	*[570]*	29 U	13	18	80	18	47	23
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	0.99 U	1.1 U	1.0 U	0.91 U	1.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.5 U	0.54 U	0.10 J	0.45 U	0.53 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.5 U	0.54 U	0.5 U	0.45 U	0.53 U	1.0 U
Inorganics								
Arsenic	*[14]*	3.5 B	1.4 U	1.4 U	2.0 U	7.6 U	2.1 U	3.4 U
Chromium VI	*[86]*	10 U	10	10 U	10.0 U	10.0 U	10 U	10 U
Lead	*[26.8]*	0.88 B	1.8 B	1.0 U	1.0 U	1.5 U	1.1 U	2.1 U
Nickel	*[100]*	6.8	6.8	7.2	8.5	5.0	6.9	4.4 B
Zinc	*[152]*	1.5 U	46.6	0.40 U	1.1 U	3.1 U	10.6 B	1.2 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.9 U	1.1 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

D = Compound quantitated on a diluted sample.

1 U/0.8 U = Duplicate sample result.

TABLE C-8
Summary of Analytical Results for Monitoring Well T-8
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-8 ECTGW8-01 4th 1998	T-8 ECTGW8-02 1st 1999	T-8 ECTGW-08 2nd 1999	T-8 ECTGW8-02 3rd 1999	T-8 ECTGW8-02 4th 1999	T-8 ECTGW8-06 2nd 2000	T-8 ECTGW8-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	**10 B**	**6**	**6**	**6.0**	**3.0**	5	6
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Methylene Chloride	*[15.7]*	2 B	0.7 B	0.5 JB	0.2 J	2.0	2 B	2 U
Tetrachloroethene	*[8.85]*	7	0.5 U	1	0.7	0.5 J	0.2 J	0.2 J
Toluene	*[3,400]*	0.9 B	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	1 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.4 J	0.5 U	0.5 U	0.5 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Trichloroethene	*[80.7]*	10	0.5 J	2	1.0	0.9	0.7	0.9 J
Vinyl chloride	*[525]*	1	1	0.4 J	0.4 J	0.3 J	0.4 J	0.2 J
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	1 J	10 U	9 U	1.0 J	1.0 JB	1 J	10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	9 U	10 U	10 U	11 U	10 U
1,2-Dichlorobenzene	*[763]*	2 J	10 U	9 U	10 U	10 U	11 U	1 U
Diethylphthalate	*[52,100]*	10 U	10 U	9 U	10 U	10 U	11 U	10 U
Naphthalene	*[620]*	10 U	10 U	9 U	10 U	10 U	11 U	10 U
Phenol	*[570]*	16	10 U	9 U	3.0 J	10 U	11 U	10 U
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	1 U	1.0 U	0.91 U	0.98 U	1.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.5 U	0.54 U	0.45 U	0.49 U	0.51 U	1.0 U
Inorganics								
Arsenic	*[14]*	1.7 U	1.4 U	2.0 B	2.0 U	7.6 U	2.1 U	3.4 U
Chromium VI	*[86]*	10 U	10 U	10 U	10.0 U	10.0 U	10 U	10 U
Lead	*[26.8]*	1.1 B	2.0 B	1.0 U	1.0 U	1.5 U	1.1 U	2.1 U
Nickel	*[100]*	3.7 B	1.8 B	2.5 B	2.1 B	2.3 B	3.2 U	3.5 B
Zinc	*[152]*	1.5 U	**107**	9.8 B	29.1	7.4 B	10.7 B	1.2 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U	1.0 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values. USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

1 U/0.8 U = Duplicate sample result.

TABLE C-9
Summary of Analytical Results for Monitoring Well T-9
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-9 ECTGW9-01 4th 1998	T-9 ECTGW9-02 1st 1999	T-9 ECTGW9-03 2nd 1999	T-9 ECTGW9-04 3rd 1999	T-9 ECTGW9-05 4th 1999	T-9 ECTGW9-06 2nd 2000	T-9 ECTGW9-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	8 U/1 U
1,2-Dichloroethene(total)	*[9.4]*	1	1 U/0.8 U	0.6/0.6	**4.0**	0.8	**12**	**50/50 D**
Ethylbenzene	*[3,280]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	8 U/1 U
Methylene Chloride	*[15.7]*	2 B	2 B/ 0.8 U	0.6 B/0.9 B	0.5 JB	0.5 U	0.9 B	17 U/2 J
Tetrachloroethene	*[8.85]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	8 U/1 U
Toluene	*[3,400]*	0.5 U	1 U/0.8 U	0.3 J/0.2 J	0.5 U	0.5 U	0.2 J	8 U/0.2 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	8 U/1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	2 J/0.2 J
Trichloroethene	*[80.7]*	0.5 U	1 U/0.8 U	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	8 U/1 U
Vinyl chloride	*[525]*	0.5 U	56/38	35 D/43 D	0.5 U	34 D	210 D	110/90 D
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	4 J	12/1 J	4 J/1 J	6.0 J	10 U	3 J	10 U/10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U	10 U/10 U
1,2-Dichlorobenzene	*[763]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U	8 U/1 U
Diethylphthalate	*[52,100]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U	10 U/10 U
Naphthalene	*[620]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U	10 U/10 U
Phenol	*[570]*	10 U	10 U/9 U	10 U/10 U	10 U	10 U	9 U	10 U/10 U
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U
Aroclor-1221	*[1.0]*	2 U	0.48 U/0.48 U	1.1 U/1.0 U	1.0 U	0.94 U	ND	2.0 U/2.0 U
Aroclor-1232	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U
Aroclor-1242	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U
Aroclor-1248	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U
Aroclor-1254	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U
Aroclor-1260	*[0.5]*	1 U	0.48 U/0.48 U	0.56 U/0.54 U	0.5 U	0.47 U	ND	1.0 U/1.0 U
Inorganics								
Arsenic	*[14]*	1.7 U	1.4 U/1.4 U	1.4 U/1.5 B	2.0 U	7.6 B	2.6 B	3.4 U/3.4 U
Chromium VI	*[86]*	10 U	10 U/10 U	10 U/10 U	10.0 U	10.0 U	**99.9**	10 U/10 U
Lead	*[26.8]*	0.7 U	1.4 B/2.0 B	1.0 U/1.0 U	1.0 U	1.5 U	1.1 U	2.1 U/2.1 U
Nickel	*[100]*	14.8 B	15/13.8	16.6/17.5	15.6	16.7	17.5	16.0 B/15.9 B
Zinc	*[152]*	11.9 U	**160/49.4**	18.0 B/**191**	4.2 B	3.1 U	7.3 B	1.2 U/1.2 U
Cyanide	*[23.9]*	10 U	10 U/10 U	4.7 U/4.7 U	2.8 U	8.2 U	0.9 U	0.99 B/0.98 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

D = Compound quantitated on a diluted sample.

1 U/0.8 U = Duplicate sample result.

TABLE C-10
Summary of Analytical Results for Monitoring Well T-10
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	T-10 ECTGW10-01 4th 1998	T-10 ECTGW10-02 1st 1999	T-10 ECTGW-10 2nd 1999	T-10 ECTGW10-04 3rd 1999	T-10 ECTGW10-05 4th 1999	T-10 ECTGW10-06 2nd 2000	T-10 ECTGW10-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	25 U	6 U	0.4 J	0.5	0.4 J	62 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	**930**	**190**	**228 D**	**19.4 D**	**419 D**	**400**	**240 D**
Ethylbenzene	*[3,280]*	25 U	6 U	0.5 U	0.5 U	0.5 U	12 U	1 U
Methylene Chloride	*[15.7]*	**50 B**	7 B	0.6 B	0.4 JB	0.3 J	12 JB	2 U
Tetrachloroethene	*[8.85]*	25 U	6 U	0.5 U	0.5 U	0.5 U	12 U	1 U
Toluene	*[3,400]*	25 U	6 U	0.5 U	0.5 U	0.5 U	3 J	0.2 J
1,1,1-Trichloroethane	*[5,280]*	130	15	19	18	19	16	8
1,1,2-Trichloroethane	*[41.8]*	25 U	6 U	0.5 U	0.5 U	0.5 U	12 U	1 U
Trichloroethene	*[80.7]*	25 U	6 U	2	2.0	2.0	3 J	1.0
Vinyl chloride	*[525]*	25 U	6 U	5	0.5 U	0.5 U	16	14
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U	1 J	3 J	2.0 J	1.0 JB	1 J	1 J
Di-*n*-butyl phthalate	*[154,000]*	10 U	9 U	11 U	10 U	9.0 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U	9 U	11 U	10 U	9.0 U	10 U	1 U
Diethylphthalate	*[52,100]*	10 U	9 U	11 U	10 U	9.0 U	10 U	10 U
Naphthalene	*[620]*	10 U	9 U	11 U	10 U	9.0 U	10 U	10 U
Phenol	*[570]*	10 U	9 U	11 U	10 U	9.0 U	10 U	10 U
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	1 U	1.0 U	1.0 U	0.92 U	1.2 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	0.25 J
Aroclor-1260	*[0.5]*	1 U	0.5 U	0.51 U	0.5 U	0.46 U	0.58 U	1.0 U
Inorganics								
Arsenic	*[14]*	6.9 B	1.7 B	1.4 U	4.4 B	7.6 U	2.1 U	3.4 U
Chromium VI	*[86]*	10 U	10 U	10 U	10.0 U	10.0 U	**156**	10 U
Lead	*[26.8]*	0.84 B	0.97 B	1.5 B	1.0 U	1.5 U	1.1 U	2.1 U
Nickel	*[100]*	20.7	13.9	14.2	12.4	12.7	11.6	14.2 B
Zinc	*[152]*	1.5 U	**192**	**67.3**	7.2 B	16.4 B	3.6 U	1.2 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U	1.6 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values. USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

D = Compound quantitated on a diluted sample.

TABLE C-11
Summary of Analytical Results for Monitoring Well S-1
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-1 ECSGW1-01 4th 1998	S-1 ECSGW1-02 1st 1999	S-1 ECSGW-03 2nd 1999	S-1 ECSGW1-04 3rd 1999	S-1 ECSGW1-05 4th 1999	S-1 ECSGW1-06 2nd 2000	S-1 ECSGW1-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U
1,2-Dichloroethene(total)	*[9.4]*	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	0.5 U	1 U/1 U
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U
Methylene Chloride	*[15.7]*	2 B	0.7 B	0.7	0.5 JB	0.5 J	2 B	0.8 J/2 U
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.7 J/1 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	1 U/1 U
Vinyl chloride	*[525]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U/1 U
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	10 U/ 10 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	10 U/ 10 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	1 U/1 U
Diethylphthalate	*[52,100]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	10 U/ 10 U
Naphthalene	*[620]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	10 U/ 10 U
Phenol	*[570]*	10 U/10 U	10 U	10 U	10 U	10 U	11 U	10 U/ 10 U
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U
Aroclor-1221	*[1.0]*	2 U/2 U	0.95 U	1.1 U	1.0 U	1.0 U	0.93 U	2.0 U/2.0 U
Aroclor-1232	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U
Aroclor-1242	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U
Aroclor-1248	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U
Aroclor-1254	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U
Aroclor-1260	*[0.5]*	1 U/1 U	0.48 U	0.54 U	0.5 U	0.51 U	0.46 U	1.0 U/1.0 U
Inorganics								
Arsenic	*[14.0]*	1.7 U/1.7 U	1.4 B	1.4 U	2.0 U	7.6 U	2.1 U	3.4 U/3.4 U
Chromium VI	*[86.0]*	10 U/10 U	10 U	10 U	10.0 U	10.0 U	15.1	10 U/10 U
Lead	*[26.8]*	0.81 B/ 0.7 U	0.7 U	1.0 U	1.0 U	1.5 U	1.1 U	2.1 U/2.1 U
Nickel	*[100]*	0.7 U/0.7 U	1.3 B	1.3 B	1.0 U	1.1 U	3.2 U	0.96 B/0.96 B
Zinc	*[152.0]*	1.5 U/1.5 U	0.8 U	4.8 B	1.1 U	3.1 U	3.6 U	1.2 U/1.2 U
Cyanide	*[23.9]*	10 U/10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U	1.1 B/1.3 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

1 U/0.8 U = Duplicate sample result.

TABLE C-12
Summary of Analytical Results for Monitoring Well S-2
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-2 ECSGW2-01 4th 1998	S-2 ECSGW2-02 1st 1999	S-2 ECSGW-02 2nd 1999	S-2 ECSGW2-04 3rd 1999	S-2 ECSGW2-05 4th 1999	S-2 ECSGW2-06 2nd 2000	S-2 ECSGW2-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	3	2	0.5 U	0.6	2.0/0.8	0.4 J	0.4 J
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U
Methylene Chloride	*[15.7]*	2 B	0.8 B	0.3 J	0.5 U	2.0/1.0	2 B	2 U
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	0.9/0.7	0.5 U	1 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J/0.2 J	0.4 J	0.2 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5/0.4 J	0.5 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.5 U	0.5 U	0.9/0.9	0.5 U	1 U
Vinyl chloride	*[525]*	3	0.4 J	0.5 U	0.6	0.8/0.7	0.9	0.2 J
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U	1.0 J	10 U/10 U	10 U	11 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U	4.0 J	10 U/10 U	10 U	11 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U	1 U
Diethylphthalate	*[52,100]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U	11 U
Naphthalene	*[620]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U	11 U
Phenol	*[570]*	10 U/10 U	10 U	10 U	10 U	10 U/10 U	10 U	11 U
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U
Aroclor-1221	*[1.0]*	2 U/ 2U	1 U	1.0 U	1.1 U	1.0 U/1.0 U	0.93 U	2.0 U
Aroclor-1232	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U
Aroclor-1242	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U
Aroclor-1248	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U
Aroclor-1254	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U
Aroclor-1260	*[0.5]*	1 U/ 1U	0.5 U	0.50 U	0.56 U	0.51 U/0.51 U	0.46 U	1.0 U
Inorganics								
Arsenic	*[14.0]*	1.7 U/ 1.7 U	1.4 U	1.4 U	2.0 U	7.6 U/7.6 U	2.1 U	3.4 U
Chromium VI	*[86.0]*	10 U/10 U	10 U	10 U	10.0 U	10.0 U/10.0 U	10 U	10 U
Lead	*[26.8]*	0.7 U/0.7 U	0.7 U	1.0 U	1.0 U	1.5 U/1.5 U	1.1 U	2.1 U
Nickel	*[100]*	4 B/3.8 B	4.8 B	5	4.7 B	4.8 B/6.1 U	4.4 B	6.2 B
Zinc	*[152.0]*	1.5 U/1.5 U	0.8 U	12.4	1.1 U	3.1 U/3.1 U	3.6 U	1.2 U
Cyanide	*[23.9]*	10 U/10 U	10 U	4.7 U	2.8 U	8.2 U/8.2 U	0.90 U	0.95 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is <Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

1 U/0.8 U = Duplicate sample result.

TABLE C-13
Summary of Analytical Results for Monitoring Well S-3
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-3 ECSGW3-01 4th 1998	S-3 ECSGW3-02 1st 1999	S-3 ECSGW-03 2nd 1999	S-3 ECSGW3-04 3rd 1999	S-3 ECSGW3-05 4th 1999	S-3 ECSGW3-06 2nd 2000	S-3 ECSGW3-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U
Ethylbenzene	*[3,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.1 J/0.5 U	0.5 U	1 U
Methylene Chloride	*[15.7]*	2.0 B/2.0 B	0.6 B	0.9	0.2 J	0.5 U/2.0	0.6 B	2 U
Tetrachloroethene	*[8.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U
Toluene	*[3,400]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.2 J	1 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.5 U	0.5 U	1 U
Trichloroethene	*[80.7]*	0.5 U/0.5 U	0.5 U	0.3 J	0.5 U	0.5 U/0.5 U	0.5 U	1 U
Vinyl chloride	*[525]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	0.5 U/0.3 J	0.7	1
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	1 U
Diethylphthalate	*[52,100]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	10 U
Naphthalene	*[620]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	10 U
Phenol	*[570]*	10 U / 10 U	10 U	10 U	10 U	10 U/10 U	10 U	10 U
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U
Aroclor-1221	*[1.0]*	2.0 U/2.0 U	0.95 U	1 U	1 U	0.92 U/1.0 U	1.0 U	2.0 U
Aroclor-1232	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U
Aroclor-1242	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U
Aroclor-1248	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U
Aroclor-1254	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U
Aroclor-1260	*[0.5]*	1.0 U/1.0 U	0.48 U	0.5 U	0.52 U	0.46 U/0.5 U	0.51 U	1.0 U
Inorganics								
Arsenic	*[14.0]*	1.7 U/1.7 U	1.4 U	4.4 B	2.0 U	7.6 U/7.6 U	2.1 U	3.4 U
Chromium VI	*[86.0]*	10 U / 10 U	10 U	10 U	10.0 U	10.0 U/10.0 U	10 U	10 U
Lead	*[26.8]*	0.7 U/0.76 B	0.7 U	1 U	1.0 U	1.5 U/1.5 U	1.1 U	2.1 U
Nickel	*[100]*	2.3 B/2.2 B	2.8 B	10.4	8.8	9.0/9.1	8.7	9.1 B
Zinc	*[152.0]*	1.5 U/1.5 U	0.8 U	0.4 U	1.1 U	3.1 U/3.1 U	3.6 U	1.2 U
Cyanide	*[23.9]*	10 U / 10 U	10 U	4.7 U	2.8 U	8.2 U/8.2 U	0.90 U	0.90 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

1 U/0.8 U = Duplicate sample result.

TABLE C-14
Summary of Analytical Results for Monitoring Well S-4A
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	S-4 ECSGW4-01 4th 1998	S-4A ECSGW4A-02 1st 1999	S-4A ECSGW-04 2nd 1999	S-4A ECSGW4-04 3rd 1999	S-4A ECSGW4-05 4th 1999	S-4A ECSGW4-06 2nd 2000	S-4A ECSGW4-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	0.5 U/1.0	**87**	**100/87**	**85.8 D/91.9 D**	**66.5 E**	**62/36**	**73 D**
Ethylbenzene	*[3,280]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U
Methylene Chloride	*[15.7]*	2 B/3 B	3 B	4 U/4 U	0.3 J/0.3 J	1.0	3 D/ 3 JB	0.8 J
Tetrachloroethene	*[8.85]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U
Toluene	*[3,400]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.7 J/0.7 J	1 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U
Trichloroethene	*[80.7]*	0.5 U/0.5 U	2 U	4 U/4 U	0.5 U/0.5 U	0.5 U	0.5 U/0.5 U	1 U
Vinyl chloride	*[525]*	0.5 U/0.5 U	2 J	3 J/ 3J	0.5 U/0.5 U	7.0	3/2 J	5
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U/1 J	10 U/10 U	10 U	9 U/11 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U	1 U
Diethylphthalate	*[52,100]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U	10 U
Naphthalene	*[620]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U	10 U
Phenol	*[570]*	10 U/10 U	10 U	10 U/10 U	10 U/10 U	10 U	9 U/11 U	10 U
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	1.0 U
Aroclor-1221	*[1.0]*	2 U/ 1.9 U	1.0 U	0.93 U/1.0 U	1.1 U/1.0 U	1.0 U	0.94 U/0.95 U	2.0 U
Aroclor-1232	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	1.0 U
Aroclor-1242	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	1.0 U
Aroclor-1248	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	1.0 U
Aroclor-1254	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	0.11 J
Aroclor-1260	*[0.5]*	1 U/0.95 U	0.50 U	0.47 U/0.51 U	0.55 U/0.52 U	0.50 U	0.47 U/0.48 U	1.0 U
Inorganics								
Arsenic	*[14.0]*	1.7 U/1.7 U	2.5 B	2.0 B/1.4 U	2.0 U/2.0 U	7.6 U	2.1 U/2.1 U	3.4 U
Chromium VI	*[86.0]*	10 U/10 U	10 U	10 U/10 U	10.0 U/10.0 U	10.0 U	**11.2**/10 U	10 U
Lead	*[26.8]*	0.7 U/0.7 U	1.2 B	1.0 U/1.0 U	1.0 U/1.0 U	1.5 U	1.1 U/1.1 U	2.1 U
Nickel	*[100]*	0.7 U/0.84 B	1.6 B	2.1 B/1.4 B	1.0 U/1.0 U	1.1 U	3.2 U/3.2 U	1.9 B
Zinc	*[152.0]*	1.5 U/1.5 U	0.8 U	0.40 U/0.4 U	1.1 U/1.1 U	3.1 U	3.6 U/3.6 U	1.2 U
Cyanide	*[23.9]*	10 U/10 U	10 U	4.7 U/4.7 U	2.8 U/2.8 U	8.2 U	0.90 U/0.90 U	0.90 U

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit.

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

1 U/0.8 U = Duplicate sample result.

D = Compound quantitated on a diluted sample.

E = Exceeds the upper limit of the calibration range of the instrument for that specific compound.

TABLE C-15
Summary of Analytical Results for Monitoring Well ECC MW13
ECC Superfund Site

LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	ECC MW-13 ECTGWMW13-01 4th 1998	ECC MW13 ECSGWMW1302 1st 1999	ECC MW13 ECSL-WMW-13 2nd 1999	MW13 ECSGWM13-04 3rd 1999	MW13 ECSGWM13-05 4th 1999	MW13 ECSGWM13-06 2nd 2000	MW13 ECSGWM13-07 4th 2000
Volatile Organics								
1,1-Dichloroethene	*[1.85]*	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
1,2-Dichloroethene(total)	*[9.4]*	**46**	8	2.5	2.3	3.0	1	1
Ethylbenzene	*[3,280]*	3	1	0.5	0.5 U	0.2 J	0.5 U	1 U
Methylene Chloride	*[15.7]*	3 B	1 B	1 B	0.8	1.0	3 B	0.7 J
Tetrachloroethene	*[8.85]*	1 U	1 U	0.5 U	0.5 U	0.4 J	0.1 J	1 U
Toluene	*[3,400]*	0.5 J	1 U	0.5 U	0.5 U	0.2 J	0.4 J	1 U
1,1,1-Trichloroethane	*[5,280]*	2	0.9 J	0.7	0.3 J	0.6	0.4 J	0.2 J
1,1,2-Trichloroethane	*[41.8]*	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Trichloroethene	*[80.7]*	1 U	0.5 J	0.6	0.5 J	0.7	0.5	0.5 J
Vinyl chloride	*[525]*	1 U	3	0.5 U	0.6	2.0	0.4 J	0.3 J
Semi-Volatile Organics								
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U	10 U	9 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	9 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U	10 U	9 U	10 U	10 U	10 U	1 U
Diethylphthalate	*[52,100]*	10 U	10 U	9 U	1.0 J	10 U	10 U	10 U
Naphthalene	*[620]*	10 U	10 U	9 U	10 U	10 U	10 U	10 U
Phenol	*[570]*	10 U	10 U	9 U	10 U	10 U	10 U	10 U
Polychlorinated biphenyls								
Aroclor-1016	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U
Aroclor-1221	*[1.0]*	2 U	0.94 U	1.0 U	1.0 U	0.92 U	1.0 U	2.0 U
Aroclor-1232	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U
Aroclor-1242	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U
Aroclor-1248	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U
Aroclor-1254	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U
Aroclor-1260	*[0.5]*	1 U	0.47 U	0.50 U	0.52 U	0.46 U	0.53 U	1.0 U
Inorganics								
Arsenic	*[14.0]*	8.4 B	8.1 B	12.7	**21.5**	**23**	11.6	**21.2**
Chromium VI	*[86.0]*	10 U	10 U	10 U	10.0 U	10.0 U	10 U	10 U
Lead	*[26.8]*	0.7 U	0.7 U	1.6 U	2.5 B	1.5 U	1.1 U	2.1 U
Nickel	*[100]*	14	6.2	4.8 B	6.2	6.0	7.8	8.9 B
Zinc	*[152.0]*	26.5	0.8 U	0.40 U	1.1 U	3.1 U	3.6 U	1.2 U
Cyanide	*[23.9]*	10 U	10 U	4.7 U	2.8 U	8.2 U	0.90 U	1.4 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Revised Site Specific Acceptable Stream Water Concentrations as presented in the December 22, 2000 Background Report.

[2] = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.

USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

U = Analyte not detected. The value shown is the associated detection limit

B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).

J = Estimated value.

TABLE C-16
Summary of Analytical Results for Location SW-1
ECC Superfund Site

SAMPLE LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	SW-1 ECSW1-01 4th 1998	SW-1 ECSW1-02 1st 1999	SW-1 ECSW1-03 2nd 1999	SW-1 ECSW1-06 2nd 2000	SW-1 ECSW1-07 4th 2000
Volatile Organics						
1,1-Dichloroethene	*[1.85]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichloroethene(total)	*[9.4]**	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Ethylbenzene	*[3,280]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Methylene chloride	*[15.7]*	1 B	0.8 B	1	0.8	2.0 U
Tetrachloroethene	*[8.85]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Toluene	*[3,400]*	0.5 U	0.5 U	0.5 U	0.2 J	1.0 U
1,1,1-Trichloroethane	*[5,280]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Trichloroethene	*[80.7]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Vinyl chloride	*[525]*	0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Semi-Volatile Organics						
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U	2 J	5 J	10 U	11 U
Di-n-butyl phthalate	*[154,000]*	10 U	10 U	10 U	10 U	11 U
1,2-Dichlorobenzene	*[763]*	10 U	10 U	10 U	10 U	1 U
Diethyl phthalate	*[52,100]*	10 U	10 U	10 U	10 U	11 U
Naphthalene	*[620]*	10 U	10 U	10 U	10 U	11 U
Phenol	*[570]*	10 U	10 U	10 U	10 U	11 U
Polychlorinated biphenyls						
Aroclor 1016	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U
Aroclor 1221	*[1.0]**	2 U	0.97 U	1 U	1.0 U	2.0 U
Aroclor 1232	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U
Aroclor 1242	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U
Aroclor 1248	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U
Aroclor 1254	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U
Aroclor 1260	*[0.5]**	1 U	0.48 U	0.5 U	0.50 U	1.0 U
Inorganics						
Arsenic	*[14.0]**	1.7 U	1.4 U	2.9 B	2.1 U	3.4 U
Chromium VI	*[86.0]**	10 U	10 U	10 U	10 U	10 U
Lead	*[26.8]**	0.7 U	1.6 B	1 U	1.1 U	2.1 U
Nickel	*[100]*	15.9 U	8.2	20.5	9.2	6.2 B
Zinc	*[152.0]**	1.5 U	3.8 B	14.2 B	3.6 U	1.2 U
Cyanide	*[23.9]**	10 U	10 U	10.3	2.1 B	2.4 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.
*[2]** = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
U = Analyte not detected. The value shown is the associated detection limit.
B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection Limit but > = Instrument Detection Limit (inorganic).
J = Estimated value.
D = Compound quantitated on a diluted sample.
0.5 U/0.5 U = Duplicate sample result.

TABLE C-17
Summary of Analytical Results for Location SW-2
ECC Superfund Site

SAMPLE LOCATION ENVIRON SAMPLE ID SAMPLING QUARTER	Acceptable Stream Concentration	SW-2 ECSW201 4th 1998	SW-2 ECSW2-02 1st 1999	SW-2 ECSW-02 2nd 1999	SW-2 ECSW2-06 2nd 2000	SW-2 ECSW2-07 4th 2000
Volatile Organics						
1,1-Dichloroethene	*[1.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,2-Dichloroethene (total)	*[9.4]**	0.5 J/0.3 J	0.8	1	0.3 J	0.6 J
Ethylbenzene	*[3,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Methylene Chloride	*[15.7]*	2 B/1 B	0.8 B	2 B	1	0.9 J
Tetrachloroethene	*[8.85]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Toluene	*[3,400]*	0.5 U/0.5 U	0.5 U	0.5 U	0.2 J	0.2 J
1,1,1-Trichloroethane	*[5,280]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
1,1,2-Trichloroethane	*[41.8]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Trichloroethene	*[80.7]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Vinyl Chloride	*[525]*	0.5 U/0.5 U	0.5 U	0.5 U	0.5 U	1.0 U
Semi-Volatile Organics						
Bis (2-ethylhexyl) phthalate	*[50,000]*	10 U/10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	*[154,000]*	10 U/10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	*[763]*	10 U/10 U	10 U	10 U	10 U	1 U
Diethyl Phthalate	*[52,100]*	10 U/10 U	10 U	10 U	10 U	10 U
Naphthalene	*[620]*	10 U/10 U	10 U	10 U	10 U	10 U
Phenol	*[570]*	10 U/10 U	10 U	10 U	10 U	10 U
Polychlorinated biphenyls						
Aroclor 1016	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U
Aroclor 1221	*[1.0]**	2 U/2 U	0.95 U	0.99 U	0.93 U	2.0 U
Aroclor 1232	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U
Aroclor 1242	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U
Aroclor 1248	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U
Aroclor 1254	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U
Aroclor 1260	*[0.5]**	1 U/1 U	0.48 U	0.50 U	0.46 U	1.0 U
Inorganics						
Arsenic	*[14.0]**	2.1 B/ 2.1 B	1.4 U	4.6 B	2.1 U	3.4 U
Chromium VI	*[86.0]**	10 U/10 U	10 U	10 U	10 U	10 U
Lead	*[26.8]**	0.7 U/0.7 U	1.2 B	1.0 U	1.1 U	2.1 U
Nickel	*[100]*	13.5 U/14 U	8.3	19.7	9	6.1 B
Zinc	*[152.0]**	1.5 U/1.5 U	2.4 B	6.5 B	3.6 U	1.2 U
Cyanide (Total)	*[23.9]**	10 U/10 U	10 U	7.1 B	2.1 B	2.6 B

Notes:

All concentrations are in ug/L.
Concentrations in bold exceed the Acceptable Stream Concentrations as presented in Revised Exhibit A, Table 3-1.
USEPA Contract Laboratory Program method detection limits for PCBs and arsenic were used in place of the Acceptable Stream Concentrations for these analytes since the detection limits are above their respective Table 3-1 values.

[1.0] = Acceptable Stream Concentration from Revised Exhibit A, Table 3-1.
*[2]** = Revised Site-Specific Acceptable Stream Concentrations as determined in the Background Surface and Subsurface Water Monitoring Report dated December 22, 2000, Table 6 values.
U = Analyte not detected. The value shown is the associated detection limit.
B = Analyte was also detected in the laboratory method blank (organic) or analyte value is < Contract Required Detection limit but > = Instrument Detection Limit (inorganic).
J = Estimated value.
D = Compound quantitated on a diluted sample.
0.5 U/0.5 U = Duplicate sample result.